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No. 2008.—Vol. XLIV.

LONDON, SATURDAY, FEBRUARY 14, 1874.

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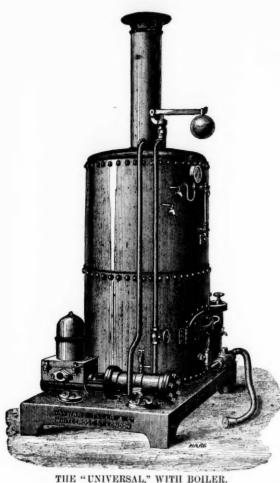
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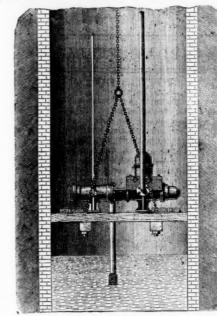
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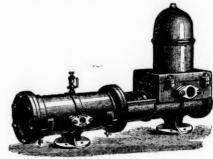


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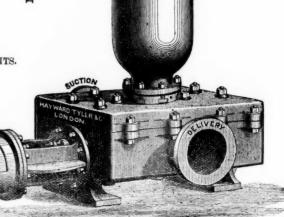


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Lectures at the Boyal School of Mines.

ON METALS.

Dr. Percy, F.R.S., in delivering his fourth lecture, took for his subject "Zinc." Before proceeding to that subject, however, he wished to make a few more remarks about copper smelting. The variety of copper known in the market as "best selected" is so called because it is supposed to be copper in its highest state of purity, and is always used for the purpose of making the best alloys of copper—brass, for example. This best selected copper is made with a view to its purity. Instead of proceeding exactly in the manner described on the last occasion, the process is somewhat modified. You will remember that in the process of copper smelting, as then described, we had two operations of fusing—the first and second fusion. In this process we obtain the "metal" (a compound of copper iron, and sulphur) or regulus, which contains a larger percentage of copper than that produced by the first fusion, and less than that produced by the second fusion. Now, let us suppose our copper ore is contaminated with tin, for an example, and we wish to prepare from it "best selected" copper. We take blocks of the "metal" referred to above, and put them into a furnace, and strongly heat so as to melt the pieces, and then allow a free access of air to the molten mass. We heat so far as to separate only a portion of the copper, and not the whole of it; and as the result of the operation we shall get a quantity of metallic copper in the furnace, and there will remain a quantity of metallic copper in the furnace, and there will remain a quantity of metallic copper in the metallic copper in being reduced and dropping through the mass in drops, the particles will act on the tin compound existing in the metal, and will bring the tin into the metallic state, and the tin will become alloyed with the copper, and go down with it. We then take the remaining unchanged "metal," and proceed with it, as described in the last lecture. The copper thus separated is alloyed with tin, and is east into small more or less square thin pieces, which are known

we will now turn to the metal Zinc. The name by which this metal is known in the workshops of England is "spelter," derived from an old name, and at one time, not very long ago, "spelter" was the only name by which this metal was 'lnown to the workmen. Now, it is usual to apply the term "spelter" to the metal cast into ingots, and the term zinc to the same metal rolled out. It was unknown to the ancients in a separate state, but they were well accepted the prophing the property of the same metal rolled out. enown to the ancients in a separate state, but they were were acquainted with it in combination with copper. As far as I can make out, it was first known in a separate condition in the sixteenth century. You will naturally ask how we know that the ancients were acquainted with zinc in the state of an alloy. Well, in two ways, in the works of the ancient writers, Pliny for example. On this subject we find certain methods there described, which show they were consistent with the method for making breas and also with that ject we find certain methods there described, which show they were acquainted with the method for making brass, and also with that method which till very recently was the only one known. In the second place, there have come down to us coins of known date from ancient times, and these on being analysed have proved to be true genuine brass. With regard to the physical properties of zinc; it belongs to the class of white metals, though in reality its colour is not a pure white, but bluish white; it may be made to receive a high lustre by polishing. With respect to hardness, it must be called a comparatively soft metal; it clogs the file, hardly malleable at ordinary temperatures—in fact, not at all so practically, but only this century it was discovered that if you heat the metal up to a certain degree you can roll it out into thin sheets; the temperature at which give rolls is between that of boiling water (212°), and say 300°F. but if you want a practical test you can apply this homely one, as the laundress does with her iron. About the proper temperature is that when the saliva glides off the metal; it can also be drawn out into wire. Copper, when being rolled out, is apt to crack and break unless heated strongly every now and then—"annealed." but if you try to anneal zinc, and get the metal a little too hot, it becomes brittle, and can be broken across without the least difficulty. As some of you will know, when tin is bent you can hear a crackling annul: a piece of ordinary zincthus bent does not give the slightest sound, but this overheated zinc emits a sound when bent, breaks across readily, and shows a crystalline fracture. The explanation is that when we thus beat zinc we give the particles of the metal sufficient freedom to enable them to assume these crystalline forms. The same thing takes place when iron is overheated, but in this case we require a much higher temperature than in the case of zinc. The specific gravity of zinc is 7:148—that is to say, that bulk for bulk zinc is a little more than seven acquainted with the method for making brass, and also with that method which till very recently was the only one known. In the second place, there have come down to us coins of known date from small quantity of oxide of zinc carried up by the draught. It is also used as a paint, but it has not much body compared with white lead, but it has one advantage over white lead in that it does not blacken by exposure to the air; water-colour painters use this oxide of zinc, and it is largely made up as a pigment in the United States. It is used also by potters for the purpose of modifying the various colours used in their art.

used also by potters for the purpose of moonly and in their art.

Now, with regard to the metallurgy of zinc, the question is how can we get the metal from this oxide. By mixing the oxide with finely-powdered charcoal, and exposing the mixture to a high temporal management of the charcoal will burn at finely-powdered charcoal, and exposing the mixture to a high temperature—a good bright-red heat—then the charcoal will burn at the expense of the oxygen contained in the oxide, just as it would burn in the air at the expense of the oxygen of the air. The charcoal must be in excess of that chemically required, in order that the carbonic acid first formed may by contact with a fresh quantity of charcoal become converted into carbonic oxide. In this manner there is no difficulty whatever in reducing oxide of zinc; the real difficulty is to catch the metal when it is reduced, for it is very volatile, of zinc never takes place at a temperature lower than that at which the metal is volatile. Oxide of zinc combines with many acids to form salts; common white vitriol is nothing more than sulphate of ficulty fusible, and if to this silicate we add some borax we get a beautiful white glass formed. The oxide of zinc has been used in

There is another compound of zinc to which I want to draw your attention—the sulphide of zinc. Sulphur and zinc combine easily when heated together, with development of much heat and light. It is nearly white, occurs abundantly in Nature, and is known under the name of "black jack," or zinc-blende. The black colour of the blende is due to some impurity, sulphide of zinc being nearly white. "Black jack" is a black metallic body, formerly much despised and thrown away, but of late years has been used as a source of zinc. By roasting sulphide of zinc in a fine state of division, with free access of air, we can burn off the sulphur, and at the same time form oxide of zinc. Besides this "black jack," the other chief ore of zinc used in this country is "calamine," which is a compound of zinc and carbonic acid; by roasting that, too, the whole of the carbonic acid is expelled, and oxide of zinc formed. Thus, in all cases the process of extracting zinc oxide of zinc formed. Thus, in all cases the process of extracting zinc is practically by the reduction of its oxide. The calamine, when pure, contains 22 per cent. of metallic zinc, and the black jack 67 per cent.

Coke-dust is usually employed for the reduction, though coal would lo. There are several methods, but I shall describe only one, and that is known as the Belgian process, becaused first introduced into Belgian, and it is now largely used in this country. The furnaces employed are of large dimensions; the zinc is heated in long round fire-clay cylinders, not unlike those that the glass-bead makers use. The furnace contains a large number of these eviludical posts the The furnace contains a large number of these cylindrical pots, the front part of the furnace being made up chiefly of their round ends. The furnace itself is a narrow upright chamber, arched over at the Iront part of the furnace being made up chiefly of their round ends. The furnace itself is a narrow upright chamber, arched over at the top, with a fire-place running from end to end. The interior should be made of good fire-brick, as it has to sustain a high temperature. At the back wall of the furnace are a large number of ridges, on which rest the closed ends of the above cylinders, the open ends of these retorts being in front, and rather lower than the ends at the back. In front they rest upon fire-bricks, supported on iron shelves; and at intervals there are partitions of fire-brick, dividing the front of the furnace into a number of compartments. At the top of the furnace are three openings, or flues, connected with one central stack, the use of the three being to keep the heat as uniform as possible. All the front of the furnace is filled up with the open mouths of these pots, the spaces between them being stopped up with fire-clay. The furnace being now heated up to the right degree, the next thing is to charge it, the charge being the roasted ore (calamine or blende) reduced to powder, and mixed with coke-dust. A receiver, or clay nozzle, is inserted into the mouths of the retorts, and the whole is made tight by plastering with clay. To the end of the receiver an iron vessel, somewhat like an extinguisher, but open at both ends, is fastened, to condense as much as possible of the volatilised metal which has not been already condensed in the receiver, and even then a portion passes out. The charge is introduced just before the "extinguishers" are fitted on, by means of long-handled iron ladles, having at each hand a narrow scoop; the workmen go from pot to pot, charging in this way each potin succession. The fire is made up well charging in this way each potin succession. tinguishers" are fitted on, by means of long-handled iron ladles, having at each hand a narrow scoop; the workmen go from pot to pot, charging in this way each pot in succession. The fire is made up well, taking care that all the interstices are well stopped with clay, and the fires must be so adjusted that the gases inside the furnace may be somewhat under pressure, so that if a hole should be made the flame would burst out and no air enter; cold air introduced into the furnace would crack the vessels, and the charge would be lost. The process of reduction will now take place, the products of combustion being two—carbonic oxide and vapour of zinc. These two products continually travel forward, the zinc for the most part being condensed in the day receivers some more in the extinguishers together with continually travel forward, the zinc for the most part being condensed in the clay receivers, some more in the extinguishers, together with a small quantity of oxide of zinc; a small quantity passes out with the earbonic oxide gas at the mouths of the vessels, the carbonic oxide burning with its characteristic blue flame, more or less tinged, however, with a small quantity of oxide of zinc. The workmen travel backwards and forwards continually in front of the furnace, with rakes and ladles, by which means they draw out 2 or 3 lbs. of metallic zinc at a time.

UTILISATION OF WASTE STEAM.

Mr. Spence exhibited to a distinguished audience, at Stafford House, a plan by which he proposes to employ the heat of waste steam as a substitute for fuel. This method is founded upon a discovery made by the father of the inventor, and announced by him to the British Association at its meeting at Exeter in 1869. The discovery was that steam liberated at atmospheric pressure—that is, at a temperature of 212°—and passed into any saline solution having a boiling temperature higher than that of water, would raise this saline solution to its own boiling point. Thus, as Mr. Spence showed experimentally, if we take a solution of nitrate of soda, which boils at 250°, and if we blow into that solution steam at 212°, the temperature of that solution will be raised to 250°, the steam being condensed and yielding its heat. The explanation seems to be that the salt has a stronger affinity for the water in the steam as water than the heat has for it as vapour. The water is, therefore, seized by the salt, and the latent heat is evolved as heat of temperature. A single cubic inch of water made into steam at 212° will raise 6 cubic inches of water from 32° to 212°, which shows the enormous amount of latent heat that steam contains. In utilising the exhaust steam (at 212°) from a high-prescontains. In utilising the exhaust steam (at 212°) from a high-pressure engine, Mr. Spence brings it into contact with a solution that has a boiling temperature higher than that of water. For this purhas a boiling temperature higher than that of water. For this purpose he prefers to use a solution of caustic soda, on account of its high boiling point, and because it is not liable to act injuriously upon iron. The exhaust steam will raise a solution of caustic soda to a temperature of 375° (more or less, according to its density), and the heated solution is then circulated through pipes in an ordinary boiler, and its heat is radiated, for the purpose of generating steam in the place of heat derived from fresh fuel. If the boiler is at a pressure of 30 lbs, the solution will leave it at a temperature of 250°, so that 125° of heat would have been radiated to the water. The solution having been to some extent diluted by the condensa-250°, so that 125° of heat would have been radiated to the water. The solution having been to some extent diluted by the condensation of the exhaust steam, its capacity for heat will be reduced in a corresponding degree; and if steam at 212° were again blown through it, it would not reach the same temperature as before. It is, therefore, passed into another boiler of ordinary construction, where it takes the place of water, and is concentrated by steam being generated from it. In this way its original capacity for receiving heat is restored. Besides this method of utilising the waste steam of high-pressure engines, Mr. Spence has found the principle equally applicable, and with even greater advantages to the condensing engine. The solution may be brought in contact with the exhaust steam in an ordinary surface condenser. A partial vacuum is produced, because, although the injected solution may be of higher temperature than the steam, its absorbing power of heat is in the same ratio as that of cold water to steam. The solution is again heated to a degree capable of genetrating steam, and the vacuum is produced. Mr. Spence maintained that if, by taking advantage of his father's discovery, a mode of utilising the large amount of latent heat contained in the steam now thrown into the atmosphere could be brought into practical opertion, so that this latent heat could be made to do actual work, the discovery, especially at the present price of fuel, would be one of enormous value, and he announced his intention of speedily trying the experiment on a manufacturing scale. Mr. Crampton objected to Mr. Spence's project that the amount of tubing required for the conveyance of the caustic soda solution would be so large that it would eat up any profits likely to accrue from the discovery, and the audience generally, although the facts proved by Mr. Spence were new to them, seemed little disposed to admit that they would prove to be of any practical value. On this point, however, the larger experiments which Mr. Spence is a The solution having been to some extent diluted by the condensa

SEPARATION OF ORES .- Mr. F. J. KING, of Bishopsgate, has pa-SEPARTION OF ORES.—Mr. F. J. KING, of Bishopsgate, has planted an invention, which consists in effecting the separation of ores, such as zinc of zinc never takes place at a temperature lower than that at which form salts; common white vitriol is nothing more than sulphate of sinc; it combines with silicar, forming silicate of zinc, which is difficultly fusible, and if to this silicate we add some borax we get a beautiful white glass formed. The oxide of zinc has been used in the wheel or continuous band of silk or continuous band of silk or continuous band of silk or other textile flabric, or any material stock of the action of the action of heat in closed or partially closed retorts, or in any furnic action is removed from the iron, the iron being thereby changed to a magnetic state; and then passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wheel or include the passing the roasted ores over a revolving wooden wh

the manufacture of glass, and in the Museum are some specimens of sinc glass, formed of silicate of oxide of zinc and potash.

There is another compound of zinc to which I want to draw your attention—the sulphide of zinc. Sulphur and zinc combine easily when heated together, with development of much heat and light. It is nearly white, occurs abundantly in Nature, and is known under the

MR. ALEX. McDONALD, M.P., ON HIS ELECTION AS A MEMBER OF THE HOUSE OF COMMONS.

A special meeting of the delegates of the miners of Scotland was eld on Monday, in Allan's Temperance Hotel, Glasgow. Mr. Dainan was called to the chair.

The reports from the various districts were first given in. From these it appeared that a movement is in progress for defraying Mr. McDonald's election expenses. The men of Larkall have voted 100% for this purpose, the men of Annbank, 10%, and in the Maryhill district it had been agreed to give a contribution of 1s. per man as a consideration.

Mr. McDonald, who was received with loud cheers, then addressed the meeting. Having expressed the pleasure he felt in meeting the delegates, he said that pleasure was enhanced by the fact that he stood before them for the first time in an entirely new position, a position to which thousands had aspired, and had no able to attain it, a position which was a proud one to thep to the influential merchant, or to the man who devoted hims to the influential merchant, or to the man who devoted hims political life. A brief review of matters as they now stood minot be inappropriate. Seventy-five years ago, or thereby, the chains of virtual slavery were struck from the miners of Scotland, but though their chains were broken there was a long interregnum, if he might so speak, during which a very low order of things prevailed. This condition had not passed away when he was thrown upon the scene. Impressed with the evils which existed, from having suffered under them, from his early years he devoted his life to their ametioration. Since that time the miners had risen with an elasticity unequalled by any portion of the community. These changes had to a great degree been brought about by his own exertions. (Applause.) The platform, the House of Commons, the Legislature generally had heard the complaints of the working miners. Parliament had legislated thereon, and now it was the proud position of the working miners of this country that one who had identified himself, who to this hour identified himself, and who, to the last hour of his political life was likely to identify himself, with their cause, had now a seat in the House of Commons. But his pleasure was not alone connected with the Scotch miners—it extended to a much wider area. Many years ago, when the condition of the miners of much wider area. Many years ago, when the condition of the miners of England was inhopeless confusion, his voice was heard amongst them. Not more than 3000 men were then organised, and these men were in little knots and small communities. Through the efforts of himself—could he venture with a little egotism to say, or would he put it, through the efforts of himself and others—the little ones had beit, through the efforts of himself and others—the little ones had become thousands and tens of thousands, producing a result on the state of society and the trading interest of the country which the most fantastic dreamer could not have thought of 10 years ago. He was pleased and delighted that the honour was not one conferred on the miners of Scotland alone, but that an equal honour had been conferred on the miners of England. Mr. Burt, returned so triumphantly for England, had been his pupil from the time he first entered public life. In all difficulties he had turned to him for counsel: when he found breakers ahead he had asked him how they could be averted, and he assured them that nothing would give him greater pleasure than to enter the House of Commons with one so worthy and so noble.

During the last few years a cry had been raised over all England and Wales for the return of working men's candidates to Parlia-

worthy and so noble.

During the last few years a cry had been raised over all England and Wales for the return of working men's candidates to Parliament. Undoubtedly the working men of this country had a right to have their interests represented, and they would have succeeded in accomplishing this had they stood true to themselves. In a number of places working men's candidates had appeared, but he regretted to say that they had been toppled over one after another, like so many ninepins; and it would be left to the degraded and hard-spoken-of miners, out of all the working men, to return their two candidates. (Applause.) He wished to say further that he owed much, that he owed all, to having been the representative of the miners. It would be well, also, to disabuse the public mind in regard to the position of the town of Stafford. One said he went among his mining—his colliery—friends; another said he had gone among the potters; and another said that he owed his seat to some influence, some mysterious influence, of which he knew nothing. Mr. McDonald went on to explain that he had never been in Stafford, except passing through it on his way to and from London, until he appeared before the committee who put him forward as their candidate. There was not a miner or collier within 20 miles of the town, and his victory was the more honourable on that account. He had no influence in his favour except the influence of a band of honest noble working men—(Applause)—and he need only say that had all parties worked on the side of progress, as did the men of Stafford, there were Permissive men, there were Anti-Contagious Diseases men; there were all the elements of discord and confusion which had disturbed so many constituencies; but they sunk all these differences, and as a united phalanx returned a working man's rewhich had disturbed so many constituencies; but they sunk all these differences, and as a united phalanx returned a working man's representative by an overwhelming majority. The working men of Stafford deserved the congratulations of working men all over the

With respect to his own position among the miners of Scotland

We would require to be in London With respect to his own position among the miners of Scotland it would be very much changed. He would require to be in London for six months of the year. He had been in London for about the same period every year during the last 15 years, but then he had uncontrolled liberty to move about at pleasure. Now, however, he would be bound to attend to the interests of his constituency, and to take a part in the counsels of the nation. He had no wish, however, to break the connection that had so long subsisted between himself and the miners of Scotland. He had, therefore, to suggest that these meetings should take place on Saturday instead of on Wednesday. That would enable him to be present, as he could leave London on Friday night, and return in time to take his place in committees, or wherever else he might be employed, on Monday. In the next place, we were coming to exciting times, and he suggested that a committee of five of the sagest men should be appointed, gested that a committee of five of the sagest men should be appointed, who should have power to meet on any emergency, and he would be prepared to advise with them on any question that might arise. Then, he hoped it would not be considered that he was a harbinger of evil, but undoubtedly they were on the eve of certain changes in connection with the wages question. He was afraid this could not be much longer delayed, and in consideration of this he suggested that a board of conciliation should be formed for the amicable settlement of such disputes as might arise. Mr. M'Donald concluded by expressing the sorrow with which he had learned of the death of Mr. Joe Booth, of Ashton-under-Lyne, who had been for many years one of his trusted lieutenants, who had worked with him during the contest in Stafford, and who had rejoiced with him in his return.

NEW APPLICATION OF GYPSUM.—Gypsum mixed with 4 per cent by Aprilication or will harden in about one hour, and can then be nor turned, and made into dominoes, dice, &c. With 8 per cent, of marshow the hardness of the mass is increased, and it can be rolled out into thin es, and painted or polished.—Scientific American.

NEW FUEL.-PAGLIANI manufactures a combustible mixture to NEW FUEL.—PAGLIANI manufactures a combustible mixture to be used as fuel as follows: Distilled petroleum, 20 kilogs.; resin, 30 kilogs.; caldust, 40 kilogs.; calculust, 40 kilogs.; calculust, 40 kilogs.; calculust, 40 kilogs.; supphate of calcium, 10 kilogs.=130. The resin is dissolved in the petroleum, heated to about 70° by steam, then the other substances added gradually. After thorough mixture the whole is run into moulds: 25 parts of crude petroleum may be used instead of 20 of distilled petroleum. The calorific value of this combustible is said to be two to three times that of coal.—Les Mondes.

Begistration of New Companies.

The following joint-stock companies have been duly registered:-

The following joint-stock companies have been duly registered:—
GIPPSLAND TIN MINING COMPANY (Limited).—Capital 100,000L, in 3t. shares. To purchase and work mines in the Colony of Victoria. The subscribers (who take one share each) are—W. T. Trower, Holland street, Blackfriars; H. N. Tivy, Myddleton Cottage, Clerkenwell; John Jones, Grosvenor road, Highbury New Park; H. J. Goddard, Abbion-road, Dalston; W. Allen, Oxford terrace, Acton; C. E. Allen, 13, Manor Villas, Richmond; R. H. Kinnear, 9, Milest, E.C. BIRCHGROVE GRAIGOLA COLLERIES (Limited).—Capital 75,000L, in 20L shares. To acquire the above collicries, the locality of which is not mentioned. The subscribers (who take one share each) are—George Bower, St. Neots; S. E. Illingworth, Norfolk crescent, Hyde Park; S. Cheingen, 95, Bishopsgate-street; Thomas Jhýls, 3, King-street, Cheapside; C. M. sterman, South Shields; J. R. Ross, 61, Moorgate street; G. H. Hopkinson, 3, R. gent street.

LISBON STEAM TRAMWAYS (CITY EXTENSION) COMPANY (Limited).—Capital 39,000L in 2L shares. To carry out the concessions granted to the Lisbon Steam Tramways Company (Limited). The subscribers (who take one share each) are—R. W. Hanbury, Christchurch; C. A. Roberts, Union Cluk; in E. W. Gardiner, 45, St. George's square; W. H. Duke, 41, Regent's Park road; L. Ketth, Union-road, Tufnell Park; F. Wood, Pellatt Grov., Wood Green; W. White, Addiscombe.

Tug. Light Carler, Terregraph Company (Limited).—Capital

Ketth, Union-road, Tufnell Park; F. Wood, Pellatt Grov-, Wood Green; W. White, Addiscombe.

THE LIGHT CABLE TELEGRAPH COMPANY (Limited).—Capital 380,0001., in 10!. shares. To construct a light cable from the United Kingdom to the Azores, and thence to Halifax. The subscribers (who take one share each) are —G. F. Smith, Golden square; F. J. Holland, Upper Norw od; M. Carmichael, Bussex-place, Regent's Park; S. Laurenee, 13, Cophhall-court; F. C. Marval, Pelham-place; W. and W. Morris, Elmwood-road, Croydom.

LUTON BREWERY COMPANY (Limited).—Capital 100,000!. in 10!. shares. To acquire and carry on a brewery business at Luton. The subscribers are—L. C. Hays, Hertford, 1; W. Phillips, Luton, 50; F. Seargill, t. uton, 5; H. E. Gordon, Prestons, Kent, 20; J. Ross, Broad Oak, Essex, 20; C. R. igg, 110, Cannon-street; J. V. H. Irwin, Boscobel Gardens, N. W., 20.

EUROPEAN WORKS COMPANY (Limited).—Capital 50,0.0!., in 10!. shares. To construct public works in any part of the world. The subscribers (who take one share each) are—J. Samini, 24, Great Winchester street; E. Il Igging, 2. East India Avenue; W. Sinclair, 2, East India Avenue; C. Leonins, 24, Great Winchester street, E. Il Igging, 2. Fast India Avenue; C. Leonins, 24, Great Winchester street buildings; H. Watts, 30,8t. Ab.3's road, New Wandsworth; and R. J. Garwood, Talford-road, Cam'u-well.

LONDON AND PROVINCIAL BOILER INSURANCE COMPANY (Limited).—Capital 40,000%, in 16, shares. To transact business as an insurance company services to the contraction of t

IPSWICH AND FELLINTOWE THAMWAY AND LIESE COMPANY (Limited).—Capital So,0001, in 54, shares. To construct a pier and tramway connected therewith. The subscribers (who take one share each) are—J. McDonald. 136, Bouthampton-row, W.C.; A. W. Maberley, Gloucester; F. Gardner, Russel Cottage, Walthamstow; G. Newton, 103, Tuffiell Park-road; J. Dunn, 65, Bt. Cle ment's House; J. Field, 17, Exeter Hall; and J. McDonald, 136, Southampton-row

THE THAMES AND GENERAL LIGHTERAGE AND TRANSIT COMPANY.

Our attention has been called to the development of this associa-tion, which will achieve a most important object when its work is carried out. The proposal is to adopt steam barges and tugs on the Thames in the first instance, and afterwards on other rivers, so as to supersede the present slow and cumbersome vessels used for river transit, which, from the time they consume and their lubberly awk transit, which, from the time they consume and their lubberly awk-wardness, cause much inconvenience to ship-masters and merchants. The scheme is a novelty; but, prima facie, it bears all the aspect of a practicable and useful proposal. The prospectus is too late for insertion in this week's Journal, but will appear in extenso in our next issue, and will clearly prove the great necessity for this asso-ciation, and the absolute certainty of success. There are but two barge companies connected with the Thames transit service, and these are engaged by two commercial firms, and great delays are of every-day occurrence from the insufficiency of the supply, as the service is at the mercy of wind and tide, and the carrice of a num-

of every-day occurrence from the insufficiency of the supply, as the service is at the mercy of wind and tide, and the caprice of a number of owners of it, may be but a single barge.

Notwithstanding these difficulties, the profits made by barge-owners amount to 50 and 60 per cent, on the capital employed. There can, therefore, be no doubt whatever that an energetically worked and intelligent steam-barge company will realise still greater profits. A fleet of barges has been already secured, and the demand for their services is such that were the whole capital of this company employed it would not suffice for the existing requirements upon the river, especially upon the improved system of operations which the company will pursue.

the company will pursue.

The management of this steam fleet will be confided to Mr. Kemp, whose energy and experience are of a high order, and well known and appreciated. He is himself a bargeowner, having commenced with one, and his success has been such that he possesses a fleet of between 50 and 60.

It is to be recollected that the business on the river of this nature is rapidly on the increase; London is the great port for the import of produce, and last month such import was 4,000,000% more in value than in the corresponding month last year. We shall call attention to the salient points of the prospectus when it appears in our column cast week. our columns next week

MINING NOTABILIA.

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

PERRAN CONSOLS.—This mine sold on the 6th inst. 3 tons 15 cwts. 2 qrs. 10 bs. of black tin, being 1½ ton more than the sale of last month, owing to the improvement in the 40, cast of flat-rod shaft, which is worth 25% per fathout. The blocking well and increased returns are ensured.

The OLD TREBURGETT MINE has commenced the new year well by raising 53 tons of silver lead ore, and selling the same for the sum of 1711/. 14s., being an increase over the last sale of 2% per ton, notwithstanding the depression in the metal market. The balance sheet, which has been issued and circulated among the shareholders previous to the ordinary general meeting to be held on the 17th inst., proposes to capitalise the expenditure made in the development of the mine to June 30, 1813, and from that date the accounts show a clear profit on the last six months' working sufficient to pay a dividend at the rate of 17 per cent. per annum on the preference shares, and 7 per cent. per annum on the ordinary share capital, leaving a balance of 213% is, 104, to be carried forward to the next dividend account, together with the substantial profit on the sale of one mentioned above: and also a cash balance of 1362. 10s. 64., to be carried forward on eapifal account. Captains Wm. Hancock and Bryant report that they expect to considerably increase the returns of ore during this year: if so, and as there are no debts outstanding, only the current mostlily accounts, the position of the mine, financially and otherwise, is second to none in Cornwall or elsewhere.

GUNNISLAKE (Clitters).—As I predicted, the cross-course in the bottom end has cut off the ore, which has been the case generally, so that our nest of ore can be but a few fathoms in length. However, almost every point of it is laid bare, and we shall be stoping from it in every conceivable manner—either from back, sides, or underhand: this will give a spur to the sampling. The shaft, of course, is to be sumk at once, to make pits for the pumps, which are near at hand.

Creden.—It seems th

Cook's Kitchen.—The quarterly meeting was held at the mine on Thursday, the purser, Mr. Walter Pike, occuping the chair. The tin sold, less dues, realised 3470′, and a debit balance of 1485′, was shown, which included the debit balance of 955′, at the last meeting. To meet this it was resolved that a cal of 10s, per share should be made, and it was also resolved that application should be made to the lord, Mr. G. L. Busset, for a reduction of dues during the present depressed state of mining. The manager and agent's report was favourable.

West Frances.—The quarterly meeting was held on Thursday. Mr. Walter Pike, the purser, presiding. The accounts were :—To labour costs for four months, ending Jan. 3, 2922; ; merchants' bills, 1223;; bank charges, six months, 38;; balance from last account, 1480; total, 3683; Cr.;—By tin sold, about 60 tons, 3493;; less lords' dues, 219/.; total, 3724; South Frances Encroachment, econd instalment, 447]. Total credits, 4161/. Balance against the shareholders, 1501/. From these accounts it will be seen that four months' labour costs have been charged against three months' returns. This is owing to the four-weeks

month system of pay; but for the thirteenth month a profit would have been shown of 2001, on the three months' working. It was resolved, "That application 280f., on the three months' working. It was resolved, "That application of the lords for a reduction of dues during the present depressed state of The manager and agents, Capts. J. Thomas, H. Rabling, and W. Rowe

reported on the mine.

WHEAL L'ASSET AND GRYLLS,—The general meeting was held at the mine, on Friday, Mr. J. Walker Tyacke presiding. The accounts showed a debit balance of 1344. 8s. 7d. A call of 7s. 6d. per share was made. The agents, Capts. Wm. Oats and Paull Prisk, said they were now able to nearly meet the expenses of the mine, notwithstanding the low price of tin and the high prices of materials. Their report was satisfactory; they had sold during the 20 weeks nearly 50 tons of tin ore, at an average price of 64s. 6d. per ton, being 5d. 3s. 10d. per ton less than last time, and amounting to 250l. 10s. They had employed 110 men, 44 boys, and 30 girls. [The survey for four weeks being held the same day, all the bargains and tribute pitches were re-set at about the former prices, with the exception of the 15 fm. level, by nine men, at 12d. per fathom.]

ENGLISH AND AUSTRALIAN COPPER COMPANY.—At the meeting

ENGLISH AND AUSTRALIAN COPPER COMPANY.—At the meeting of shareholders to be held on Thursday next the directors' report will show that the gross quantity of ore, regulus, precipitate, and rough copper received from various mines during the year ending June, 1873, was 10,979 tons 8½ cwts, against 6564½ tons in the previous year. The quantity smelted at the Fort Adelaide works was 5002 tons, and at the Newcastle works 4350 tons. The quantity of copper made was 1,618½ tons at Port Adelaide and 492½ tons at Newcastle. The quantity shipped and sold was 206½ tons. The supplies of ores, &c., show an increase of nearly 4500 tons, as compared with the previous year. The deliveries to the company from the Burra Burra Mine have continued to increase, amounting to no less than 2945 tons, against 1449 tons in the previous year; and the projects of the future, as set forth in the last report presented to the shareholders at the general meeting at Adelaide on Oct. 15, were highly encouraging. In reviewing the operations of the English and Australian Company for the year ending June 30, it is satisfactory to observe that the loss sustained in the first six months by the heavy and continuous fall in the price of copper of nearly 19. Per ton, has been recovered in the next six months by the saving effected by smelting the low-class ores at Newcastle, and also by the company is based. The profit and loss account for the year shows a balance at the company is based. The profit and loss account for the year shows a balance at the company is based. The profit and loss account for the year shows a balance at the credit of 1953l. 3s., to which has to be added 24,448l. 15s. 10d., balance at credit on July, 1872; making together the sum of 28,402l. 8s. 10d. From this sum the credit of 1953l. 2s. 10d. The profit and loss account for the year shows a balance at the credit of 1953l. 3s., to which has to be added 24,448l. 15s. 10d., balance at credit on July, 1872; making together the sum of 28,402l. 8s. 10d. From this sum the credit of 195 ENGLISH AND AUSTRALIAN COPPER COMPANY. -At the meeting

FORTESCUE.—At the special meeting, on Wednesday, the question increasing the capital of the company was adjourned until the general meeting. the capital of the company was adjourned until the gen [For remainder of Meetings see to-day's Supplement.]

OLD WHEAL FRIENDSHIP,—We hear that the materials, plant, &c., we been purchased by Messrs. Lanyon and Co., and most probably will be offered reale before long.

MINING IN NORTH CARDIGANSHIRE. - In the Journal of the past MINING IN NORTH CARDIGANSHIRE.—In the Journal of the past two veeks I have seen some remarks upon mining in this district, and allusion has been made to Tan yr-Allt Mine. Some twelve months ago I gave my opinion upon the prospects of this property, which was formerly known as the North Allt-y-crib Mine. I was worked under the last-named title for several lyears, and was ultimately abandoned on account of its non productiveness. I think it would be very wise on the part of those who have invested, or are about to invest, in this undertaking to visit the mine themselves, or to employ a competent and reliable man to inspect and report upon it for them, as, in my opinion, misrepresentations have been made as to its worth. The is only one (a very unproductive) lode in this property, commonly termed the north and south tode, with small branches running at right angles, making short deceptive deposits against the cross lode.

COPPER ORES.

s Hotel, Redruth, Feb. 5. Sampled Jan. 21, and

***************************************	71 70 69		£4 4 6	0 4 7	6	West Basset	43		4	16 13	0
************	70 69		6	4	6					13	6
************	69		6	7	0						
*******			A		6)	ditto	37	*****	- 7	7	0
	60			5	0	St. Aubyn United	37		3	15	0
			4	7	6	ditto	31		6	10	0
	56		4	4	0	Wheal Seton	34		4	5	0
	50		5	2	6	ditto	35	3	4	5	0
			4	2	6	East Grenville	46	3		19	0
	55		6	6	6	ditto	20)	5	15	€
	51		7	19	6	South Dolcoath	35		5	15	
	42		3	6	6	ditto	24		4	4	0
	39		4	7	0	Wheal Basset	28		5	7	
	35		7	19	6					12	0
			9	:3	6				2	12	6
Crofty	49		1	17	0					10	€
				16	0					17	•
	41		1	1.4	6	New Dolcoath	15	3	4	7	0
	38		2	2	6	Burra Burra	14		1	11	0
				1	0					7	0
	63		4	6	6	North Roskear	10)	- 5	1	6
			3	17	0					0	-
	51		.3	19	6					0	0
			23	14	0				6	10	6
			1	16	43					-0	
	Abraham Crofty	Abraham 86 55 51 42 39 35 54 Crofty 49 48 41 48 68 68 68 67 60	Abraham 86 55 55 51 42 39 39 55 67 67 68 68 68 68 68 68 68 68 68 68 68 68 68	Abraham 86 4 55 6 55 6 51 7 42 3 39 4 35 7 Crofty 49 1 41 1 38 2 28 3 69 4 57 3 51 3 60 2 60 2	Abraham 86 4 2 2 5 6 6 6 5 7 19 7 19 42 3 6 6 6 3 9 4 7 3 5 7 19 4 7 19 7 19 7 19 7 19 7 19 7 19 7	Abraham 86 4 2 6 6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Abraham 86				

		TOT	AL	P	RODUCE.					
West Tolgus	449	 £2087	5	()	Wheal Basset	74		£426	2	0
Crenver & Abraha.	343	 2009	14	6	East Seton	50		131	5	0
					Wheaf Buller					6
West Seton	170				New Dolcoath					0
East Pool	150				Burra Burra					0
West Basset	82	 183	5	0	New Rosewarne	13		43	11	0
St. Aubyn United.	68	 340	5	0	North Roskear	10	******	50	10	0
Wheal Seton	67				South Frances				0	0
East Grenville	66	 206	7	0	West Gorland	5		32	10	0
South Doleoath	56	984	143	0						

Average standard \pounds 93 15 0 | Average produce \pounds 4 9 6 7% Average price per ton. \pounds 96 Fe Quantity of ore 1.848 | Quantity of fine copper 142 tons 5 cwts. Amount of money \pounds 8257 9 6 \pounds 97 3 0 | Average produce 7 Standard of corresponding sale last month, \pounds 96 16 0-Produce, 6% .

COMPANIES BY WHOM THE ORES WERE PURCHASED.

Names.	Tons.		Am			
Vivian and Sons						
P. Grenfell and Sons	266	*******	1369	14	0	
Nevill, Druce, and Co	381		1522	19	0	
Williams, Foster, and Co	376		1796	11	0	
Mason and Elkington					63	
Sweetland, Tuttle, and Co	172		696	11	0	
	-		_	_	_	
Total	1848	*******	£8257	9	6	

NO SALE on Thursday last, Feb. 12.

Copper Ores for sale at the Royal Hotel, Truro, on Thursday next.—Mines and arcels.—South Caradon 419—Marke Valley 314—Hingston Down 252—Glasgow aradon 250—Gunnislake (Clitters) 197—Bedford United 186—East Caradon 145—Vheal Russell 95—Phenix 80—Duchy Great Consols 54—Wheal Friendship 16—in Valley 12.—Total, 2020 tons. Tin Valley 12.—Total, 2020 tons.

COPPER ORES.
Sampled January 21, and sold at Swansea February 10.

Mines.	Tons	. P	rod	ace.	Pi	rice.		Mines.	Tons	. P	roduce.	Pr	ice.	
Cape Ore	62		30	£	23	1	6	Union	113		5	£2	3	6
ditto	61		297	8	23	3	0	ditto	113		53/4	2	2	6
ditto	61		29	å	23	3	0	ditto	90		45%	2	1	6
ditto	61		297	S	23	0	0	ditto	65		43/4	2	1	6
ditto	62		305	8	23	18	0	ditto	121		45/8	2	2	0
ditto	62		303	4	23	17	0	Copper Ore	75		71/4	4	6	0
ditto	61		30	6	23	11	6	ditto	74		734	- 4	6	0
ditto	29		36		28	5	6	ditto	74		71/8	4	8	6
ditto	38		52		40	13	0	ditto	74		734	4	8	6
ditto	18		271	4	21	10	0	Berehaven	128		83/3	5	9	6
ditto	31		311	4	24	9	0	Fursdon	59		378	1	16	0
ditto	52		31	S	24	8	6	ditto	8		81/2	5	5	0
ditto	52		31		24	7	6	Concordia	30		461/2	36	4	6
ditto	49		303	6	23	14	6	ditto	7		48	37	-1	6
ditto							0							
TOTAL PRODUCE.														

.....£ 700 16 148 4 1,347 6 Cape Ore Union Copper Ore ... COMPANIES BY WHOM THE ORES WERE PURCHASED.

Names. Copper Miners' Company	Fons.	Amo	un	t.
Copper Miners' Company	218 £	3,515	12	0
P. Grenfell and Sons	901/2	2,210	25	U
Nevill, Druce, and Co	2701/2	2,584	0	6
Vivian and Sons		5,017	16	0
Williams, Foster, and Co.		5,143		
Charles Lambert	37	1,347		
Ravenhead Copper Company	61	1,438	1	63
Sweetland, Tuttle, and Co			5	0
Total	1779 &	22,968	17	6
NO SALE on March 3.				
TOTALS AND AVER.				
21 cwts. Produce. Price.	Per unit.	Stan	dai	d.
Whole sale 1779 171/2 £12 18 3	14s, 9d	E 96	3	0

PETROLEUM.—The value of petroleum imported in the last month had reached to 120,944/.; in the like period of the preceding year it was only 25,838/.

FOREIGN MINING AND METALLURGY.

At the last public sale at Rotterdam tin was depressed by speculative operations, and Banca declined at one time from $70\frac{1}{2}$ ffs. to 68 ffs. This latter price provoked, however, rather a regular demand lative operations, and Banca declined at one time from 70½ ffs. to 68 ffs. This latter price provoked, however, rather a regular demand on the part of consumers, who profited from the fall in order to purchase at the reduced price. Some rather important transactions resulted, and a revival in business accordingly appears probable. Billiton in has been rather firmer at about 68 ffs., and there have been comparatively few sellers. The disposable supply of Banca and Billiton in Holland at the close of January was 61,345 ingots, as compared with 35,909 ingots at the close of January, 1873, and 45,378 ingots at the close of January was about 20 per cent. lower than at the close of January was about 20 per cent. lower than at the close of January, 1873. At Paris, Chilian copper in bars at Havre has made 87l. per ton; ditto in bars at Paris, 87l. per ton; ditto in ingots, 92l. per ton; and English tough cake, 92l. per ton. At Rotterdam, Drontheim has brought 50 ffs. to 52 ffs.; and Russian crown, 51 ffs. French lead, delivered at Paris, has made 23l. 12s. per ton in that capital; Spanish ditto, delivered at Havre, 23l. 8s. per ton; English ditto, delivered at Paris, 23l. 4s. per ton; and Belgian and German ditto, delivered at Paris, 23l. 4s. per ton. Stolberg lead has been quoted at Rotterdam at 14½ ffs.; Spanish at 14½ ffs.; and German of various marks at 14½ ffs. Silesian zinc, delivered at Havre, has brought 27l. 4s. per ton; and ditto, delivered at Paris, 26l. 16s. per ton. The quotations for Silesian at Amsterdam has been 13 ffs. to 13½ ffs. In the French coal trade transactions have been of no great importance, and prices have been quietly falling. What has most occupied public opinion for the moment has been the voting of new taxes, and especially the additional 10 per cent. proposed to be imposed on quick train railway traffic. The industrial world appears

occupied public opinion for the moment has been the voting of new taxes, and especially the additional 10 per cent. proposed to be imposed on quick train railway traffic. The industrial world appears to be unanimous in deploring this new charge, which is almost ruinous for some industries, and oppressive for all, although operating very unequally. The results, it is feared, of such an additional tax can only be unfortunate, and some vigorous observations have been made upon the subject by industrials of the Loire group. The Committee of French Forgemasters has completely endorsed these observations, and the Budget Commission has also shown itself opposed to the new tax. There are still some apprehensions, however, as to servations, and the Budget Commission has also shown itself opposed to the new tax. There are still some apprehensions, however, as to the final result. A report has been prepared by M. Ducarre upon the official enquiry into the coal supply question which was ordered some time since in France; the crisis which provoked the enquiry is regarded, however, as past and gone. A normal state of affairs is slowly returning, and comparatively little interest is now taken in a difficulty the effects of which are no longer felt—at any rate to the full extent. There is very little change to report for the moment in the French coal trade or in the general tone of prices; the fall has become more decided and is even extending, and all the more readily as comparatively little business has been doing. In the Nord concessions have been more freely made, especially in the case of contracts of some importance.

There can scarcely be said to be any amelioration at present in

readily as comparatively little business has been doing. In the Nord concessions have been more freely made, especially in the case of contracts of some importance.

There can scarcely be said to be any amelioration at present in the aspect of affairs in connection with the French iron trade. The general tone of business is one of discouragement, and there are frequently very considerable margins between published quotations and actual selling prices. Merchants' iron has been quoted at 10% 16s, per ton upon the Paris market, and at 10% to 10%. Ss. per ton in the Haute-Marne and in the Nord; in important transactions, however, lower terms would be accepted. It begins to be time for the present state of things to terminate, as metallurgical industry has been rather too severely tried. M. Tessió-du-Motay has been experimenting at Terrenoire with mixtures of iron and manganese. Referring to experiments of this class, M. Jordan, in his inaugural address as President of the Institution of Civil Engineers, recently haracterised metallurgy as an industry full of surprises and promise as regards the future. The future certainly appears likely to be a brilliant one for those—and they are becoming every day a more numerous class—who escape from old fashioned routine, and enter resolutely upon the paths of progress.

A new and important branch of industry has been developed during the course of the last 15 years in the departments of the Meuse, the Ardennes, and Pas-de-Calais. This consists of the search for phosphate nodules, found in very extensive beds in the three districts named, and their preparation for use. The nodules, which are hard and dense, are deposited in two distinct strata, one of which lies at a depth of 1½ to 2 metres from the surface, and the other sometimes at a depth of 4 metres. The strata in question are not themselves very thick, and they yield on an average about 5 tons of the nodules per are (119½ square yards). The search is pursued step by step by diggers, and, the upper layer of earth being en accrued to the owners; a sudden increase of prosperity of which it would be difficult to find another example in France. The business is carried on mainly by 15 firms; individuals from all parts of France, is carried on mainly by 15 firms; individuals from all parts of France, however, engage independently in the digging. Generally speaking, the diggers obtain from 15 f. to 18 f. per ton for the nodules, the purchasers providing the carts, wagons, horses, &c. In this way the diggers gain from 3 f. to 3½ f. per day. The nodules are carefully sifted, and are usually washed on gratings which allow the loose earthy matter to pass away. They are then carried to mills to be reduced to a fine powder, in which form the phosphate is best adapted to agricultural purposes. The corn mills, which in these districts were formerly nearly all in ruins, have been thus utilised again, and it is calculated that they turn out 40,000 tons of powder per annum. The ordinary mills produce from 40 to 50 sacks per day; other mills, it is calculated that they turn out 40,000 tons of powder per annum. The ordinary mills produce from 40 to 50 sacks per day; other mills, to which the mineral is only carried after passing through a preliminary process of crushing, turn out about 85 sacks of 100 kilogrammes each. The price is 45 f. per ton. In the departments of the Meuse and the Ardennes there are at present 26 phosphate mills in full activity. It is stated that this industry affords employment to 30,000 people, in districts which formerly suffered from extreme want every winter.

The Ascension Discovery Mine (Himmelfahrt Fundgrube) at Freiberg, declared a dividend of \$540,000, gold, for 1872; and the copper mines of Mansfield, Prussia, made a dividend of \$431,280, gold, for the same year. In the latter case the profit calculated was in excess of all deductions for the reserve fund, and in spite of the fact that the fuel used had cost \$66,000 more than in 1871.

The managers of the Belgian ironworks continue to complain of the state of affairs. Although the quotations now current in Belgium are somewhat lower than those of neighbouring countries,

gium are somewhat lower than those of neighbouring countries, purchasers still appear to hesitate before giving out orders, proba-bly from a hope and anticipation of still lower prices. Rails are now 16s. per ton cheaper in Belgium than in England, and plates of very superior quality are 2l. per ton loss; but, notwithstanding this, affairs remain in a stagment and unsatisfactory condition. This state of things cannot continue much longer without occasioning considerable injury to the Belgian iron trade, as a large portion of the profits realised during the period of recent prosperity will be absorbed. An official return shows that in November Belgium only exported 16,240 tons of iron against 22,256 tons in November, 1872. The aggregate exports of the first 11 months of last year only amounted to 207.734 tons, against 265,426 tons in the corresponding period of 1872, showing a total diminution of 57,672 tons. The decline in the exports of rails from Belgium in the first 11 months of last year was 12,559 tons. The imports of iron of various kinds into Belgium exceeded the imports in the corresponding period of 1872 by 34,000 tons. The imports of minerals in November amounted to 44,477 tons, against 47,726 tons in November, 1872. The diminution in the exports last year represented a reduction in money of things cannot continue much longer without occasioning connution in the exports last year represented a reduction in money value of 1,100,000/. At an adjudication of six lots of 500 tons each of Vignoles rails and accessories for the Belgian State lines the lowest tender was that of the Acoz Forges Company, 9/, 12s, 10d.

per ton for one lot. The same company also tendered for another for at 9th 14st, 10th, per ton. The Couillet Company tendered for one lot at 9th 16st, 8th, per ton, and for another lot at 9th 19st, 8th, per ton. A royal Belgian decree authorises M. Lambert to establish ironworks the second of Proceedings of Proceedings of the second of

lot at 9%, 16s. 8d. per ton, and for another lot at 9%, 19s. 8d. per ton. A royal Belgian decree authorises M. Lambert to establish ironworks at Marcinelle. The Northern and Eastern of France Mines and Ironworks Company, with which the Acoz Forges Company proposes to amalgamate, was formed with a capital—that is a nominal capital—of 240,000%, represented by 12,000 shares of 20%, each. The shares are all subscribed for, and they are paid up to the extent of 50 per cent. The company possesses a rolling-mill at Trith, St. Leger; a blast-furnace at Nancy, as well as a second in course of construction; and, finally, some important mining concessions. The Acoz Company is assured work for the whole of this year, and it is not proposed that the amalgamation shall take place before May 1,1875. Coal continues to fall in Belgium, but it still stands above the level at which Belgian industrials would wish to see it. Ordinary coking coal has made 16s. per ton in the Charleroi basin. At Liége the state of affairs has not become more animated; on the contrary, sales are effected with difficulty, and stocks have been increasing, although all possible concessions have been made. The extraction is being reduced within the narrowest possible limits; miners' wages are also being cut down. The imports of coal into Belgium amounted to 590,000 tons, against 183,000 tons in the corresponding period of 1872. In the augmentation of 407,000 tons indicated by this comparison, England figured for 110,000 tons, and the Zollverein for 290,000 tons. The exports of coal from Belgium declined, on the contrary, from 4,300,000 tons in the first eleven months of 1872 to 3,900,000 tons, showing a falling off of 400,000 tons. The exports of Belgian coal to France in the first eleven months of last year showed a falling off of 150,000 tons, and those to Germany and the Low Countries a falling off of 200,000 tons. A letter from Liége showed a falling off of 150,000 tons, and those to Germany and the Low Countries a falling off of 200,000 tons. A letter from Liége states that a price of 16s. per ton has been agreed to by one local coalowner in a rather long contract.

FOREIGN MINES.

ST. JOHN DEL REY MINING COMPANY (Limited) .- Advices re-

well performed.

PRODUCE FOR DECEMBER.—The entire produce for the month of December amounts to 10,076 ofts,, equal to 1161-599 ors, troy. It has been derived as follows:—
From mineral from new executation 9379 ofts, from 1472 tons ore=6:371 ofts, per ton. From re-treatment Morro Velho

al from the atment Morro Velho 485.5 ditto 122.7 88.8 arrastres From Praia From Gaia Mine

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GOLD EXTRACTED TO DATE.—The produce extracted from the mineral stamped and the sand re-treated during the first division of January, a period of 11 days, amounts to 46848 oits., equal to 540 081 ozs. troy. It has been derived as follows:—

Oits.

From mineral from the excavation ... 44438 from 614 tons of ore = 7.237

From re-treatment by arrastres 241 0 = 0.391

Total....... 4684·8 = 7·628

The above is the best produce and highest yield we have yet extracted sineaching the lode. The health of the establishment is good.

reaching the lode. The health of the establishment is good.

DON PEDRO NORTH DEL REY.—Report for December: Produce 4890 sits, 2089. (s.s. 6d.; cost, 3014.) 12s. 1d.; loss, 945/. 5s. 7d. We deeply regret to have to report of low returns, but we do sincerely hope that, when the adverse circumstances with which we have had to contend are remembered, they will be received as the best that could be obtained.—First Division of January, 1874: Preduce weighed to Jan. 16, 2178 ofts. The ore obtained this last fortnight has again been derived from the original sources—Canoa and No. 6 and No. 8 shoots. A small quantity of moderate quality boxwork has been taken from the southern gopes in No. 8, descending below the 25, and the stopes generally are improved since last reported on. The water has not been drawn out of the bottom of the mine since the iron rods were fixed, owing to the limited supply of surface water in consequence of the "verenico." (Indian summer), but we expect rain again in a few days, which we believe will, by increasing our pumping power, quickly rid us of the extra quantity of water in the mine, and, as soon as this be accomplished, we shall fax the new pumps, after which we hope to continue sinking without any serious hindrance.

of the extra quantity of water in the mine, and, as soon as this be accomplished, we shall fix the new pumps, after which we hope to continue sinking without any serious hindrance.

ROSSA GRANDE,—Report for December: The cost amounts to 1228, 19s. 44., in which an amount of 134, 8s. 9d. has been charged on account of laying out permanent spalling floors. The daily average of force has been 2031. The produce amounts to 3010 oitavas of gold; profit, 3032, 5s. 8d. Results equal to the above would have been given long ere this had we water to crush the mineral at our command. By classifying the stone from the Bahu under two separations of the above made of the make some test of the value of the ore from different parts of the mine.—First division of January: Bahu: We are proceeding with the sinking of the sump as fast as practicable, and the richest rocks of one ever extracted from this shaft are being quarried in the present bottom. I hope by the end of the month to be deep enough to commence the 50 fm. levels, and judging from the present very suriferous nature of the lode there are good reasons for expecting better results from same than at any shallower point. The lode in the same size as when last reported on. We shall probably communicate the winze in bottom of 28 east to the 38 in the course of the next fortnight, after which we shall employ a force in stoping at this point, where the lode is 5 ft. wide, well defined, and of good quality. The ground in the shallow level is become a little harder within the last 3 ft. driving, but we are making fair progress.—Cachocira: I have nothing new to report on this mine; the lode has proved to be very bunchy at every point we have opened on it.

MINERAL HILL (Silver).—Mr. Oakes, Jan. 19: The ore raised is as before—40 tons, of an average grade of \$50 per ton. The weather for the last week having been favourable, we have sorted a good quantity of low-grade ore from the mande of the produce of the produce of the produce of the received here from the mande of the produce

duction of wages, 50 cents per day, had taken place among the miners and fur

RICHMOND CONSOLIDATED,—Telegram: Week's run, one furnace,

RICHMOND CONSOLIDATED.—Telegram: Week's run, one furnace, \$18,000. In consequence of late severe storm contractors for charcoal mable to supply fuel for more than one furnace this week.

UTAH (Silver).—J. Longmaid, Feb. 2: Telegram: Trial most satisfactory, estimate dress daily \$0 tons, producing 20 tons, 70 per cent. lead, 16 ors. of silver; frost prevent dressing.

SIERRA BUTTES (Gold).—Sierra Buttes and Plumas Eureka Mines for January—Sierra Buttes Mine: Receipts, \$37,274; cost of mining and milling, \$15,638.—Plumas Eureka Mine: Receipts, \$48,478; cost of mining and milling, \$16,538.—Plumas Eureka Mine: Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mine: Receipts, \$10,000 for mining and milling, \$16,638.—Plumas Eureka Mine: Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mine: Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mine: Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mine: Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mine: Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mine: Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mine: Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Eureka Mines Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$16,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$18,638.—Plumas Eureka Mines Receipts, \$18,478; cost of mining and milling, \$18,638.—

possible.

EXCHEQUER (Gold and Silver).—L. Chalmers, Jan. 19: The engine-shaft is making good progress. The contractors had worked only two days when they struck a soft seam; I cannot inform you the number of feet made to Saturday on account of the snow, a fresh and heavy fall making the road almost impassible to-day, and I omitted it on Saturday.—North Drift from the 100: At no time since we first cross-cut the lode has it looked so promising; we have 3 ft. of solid quartz, 1 ft. of which is good ore. I think 35 ft. behind us will pay to stope, but I cannot well stope driving north, as every foot I go I am laying bare more ore, and on this I am not dependent at present for my mill supply. I am in 235 ft., and have 205 ft. more to run to make connection with the 140 ft. which from the main tunnel, and I expect that the whole of this will run through pay ore, giving me 240 ft. of good stoping ground, averaging 200 ft. in height, which if only I ft. wide will at the ordinary rate of 13 cubic feet of quartz unbroken in the lode to a ton yield 3693 tons—16 tons a day for 260 days. If the lode should come to be 2 ft. wide, then just double, or 16 tons a day for 260 days from this source alone, at 820 per ton profit, \$73,880, or 14,700?, sterling if only 3693 tons, and 29,400?, if the lode should average 2 ft. wide. I mention these things to show you how important it is to push your development ahead of your extraction, and how little, comparatively speaking, of the lode, if it is all good, it takes to furnish 29,000?. In sterling. I am very unwilling to take the drivers away to stope, because I know I have something good ahead. I proved it when working at the 140 south, and I want to get into it quickly. Some of the ore I got out last week assays \$120, and with oreal the way from \$15 to \$30 and \$80. The schute I am working up to by the north drift and down to by the shaft is the same that made me recommend the purchase of the mine, and of which 2½ tons milled at Reno gave you \$115 stant will be a fine of the day and EXCHEQUER (Gold and Silver) .- L. Chalmers, Jan. 19: The en-

let up" to it.

CAPE COPPER.—The directors have received the following advices
the Northam: Railway traffic for fortnight ending Dec. 13, 200 tons up and
0 tons down. Bills of lading are received for 320 tons of ore per Laura, and
0 tons per steamers Roman and America: 730 tons of ore were sold on 10th inst.
public ticketing, at an average of 15s. 7½d. per unit, rea ising approximately
6507

MENZENBERG. -R. K. Roskilley, Feb. 7: Dickins's Engine-Shaft: MENZENBERG.—R. K. ROSKHIEY, Feb. 1: DUKINS S Engine-Shart: The cutting of ground for bearers and eistern in this shaft is nearly completed. We should, how-ver, have had this work finished in the time mentioned in my last report, but having intersected here the east and west lode, met with 3 fathoms below the 23, has somewhat retarded our progress, the ground being harder here than we calculated upon. Nevertheless, when accomplished, all energy will be brought to bear upon the fixing of the plunger lift, so as to set it in motion it in as little time as possible. We have no other change to notice.

than we cilculated upon. Nevertheless, when accomplished, all energy will be brought to bear upon the fixing of the plunger lift, so as to set it in motion it in as little time as possible. We have no other change to notice.

PONTGIBAUD.—W. H. Rickard, Feb. 2: Roure: The new shaft is holed to the rise in back of the shaft, and cut plat at that level. The rise in back of the 100 continues in pretty favourable ground.—Virginia's Lode: The 80 metre level north is in stiff wet ground. The lode shows spots of ore. The 60 north produces a little coarse saving work. The winze behind this end is poor. The rise in the 60 south yields ½ ton of ore per current metre. The 40 metre level north yields a little corstuff for a width of 2 ft., and the same level south yields ½ ton of ore per current metre. The tell north yields a little orestuff for a width of 2 ft., and the same level south yields ½ ton of ore per current metre. The 40 south, laving met with nothing of value, is suspended. In the adit north the 102 south, having met with nothing of value, is suspended. In the adit north the lode where underent yields ½ ton of ore per metre.—Mill Lode: The 20 metre level, south of shaft, has opened a pretty good piece of ore ground, worth ½ ton of ore per metre: the present end yields ½ ton. The adit south yields a little saving work, of low quality. Our tribute pitches throughout this mine yield well.—Grange: The sinking of the engine-shaft below the 100 has gone on very well during the past month. We are now down 20 metres, and hope to sink the fork, and ent the 120 plat this month. The 100 cross cut west continues to traverse loicey ground, at times vielding a little ore. We have set the intermediate level to drive south, which will lay open a pretty good piece of ground. The tribute pitches are without change in yield well on the whole.—La Brousse: The 140 metre level south yields a little saving work of ore per metre. The 120 south has entered soft ground, yielding ½ ton of ore per metre. The 100 metre level south has ente

BENSBERG.—Capt. Craze, Feb. 9, in his first report since BENSBERG.—Capt. Craze, Feb. 9, in his first report since he assumed the management of the mine, writes that the mine is worked on the opencast or quarrying principle, with two cross-cuts being driven north and south in Victoria shaft, at the 10 fm. level. The open-cast averages 40 fms. long, 20 fms. wide, and 7 fms. deep, lead ore, both carbonate and galena, being associated throughout with sand and limestone, and, although the richest deposits of carbonate seem to have been taken away portions still remain, and further discoveries may be made. There is no sign of exhaustion of the galena-bearing ground, which, moreover, seems to improve in depth. There has been some stoppage in the dressing department owing to breakage of a pulley that worked the centrifugal pump, and to parts of the new iggers requiring some alteration. When these are completed they will materially increase the returns of dressed ore. Everything is carried on in German fashion and on German principles, and he will devote all his energies to bring it into a better state. He thinks they have the features of a great and lasting mine, which, when opened out properly, will yield good profits.

THE EMMA is shipping about 5 or 11 tons per day—that is about as near as anyone can come to the shipments unless he keeps the tally of the teams as they leave the ore-house. As this procedure would not pay, a marginal guess is the best your correspondent can do. If the reports of men who are working in the lower levels of this mine are to be believed—and I can see no reason why they should not be given the fullest credence—they have undoubtedly struck the largest, richest, and best defined body of ore ever revealed in the mountains of Utal. It is said they have gone through the limestone formation, and have found a ledge 13 t. in width, enclosed in granite walls. The ore does not require sorting, and is sacked in the mine. Hanibal Williams, the superintendent, is always at his post, and is one of the hardest working men about the mine. He always receives his visitors very courteously, and will allow them to go anywhere around the mine, but not into it. The information that one receives from him the public may rely on.

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Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ABERDAUNANT.—S. Toy, Feb. 11: There is no material alteration in any part of the mine to remark on since my last report. The stope in the back of the intermediate level is 6 ft, wide, and worth 10%, per cable fathom for lead. In the No. 2 acilt, driving east, the part of the lode which we are carrying is 5 feet wide, and worth 8%, per fathom for lead.

ASSHETON.—M. Whitford, Feb. 11: In the 40 end west, since my last report, we have cut into what we consider to be the principal part of the lode, and have bored a hole through quartz, bleude, and lead, which lets out a large stream of water, and has drained the principal part of the water from the 30; but before cutting through the lode to ascertain its full value we shall have to fix a large lift from the 40 to the 30, as the present is inadequate. After this has been done we shall with all speed cut through the lode, when we have every reason to believe it will lay open a very valuable piece of ground. Judging from what we flave driven through at the 30, which end is over 60 fathoms in advance of the present 40 end, we may reasonably expect greater quantities of ore in this level, seeing that it is nearly 12 fathoms below the 30.—Browne's Shaft: Sinking is being urged on, and good progress is being made. In he winze sinking below the 30, west of Browne's shaft, the portion of the lode, loss west of Browne's, will yield from 18 to 20 ext. of lead and blende per fathom. The stope cast of No. 2 winze in the back of the 30, on the north part of the lode, has been worked up through to the 20, and is, consequently, finished. In No. 1 winze sinking below the 30, west of Maur shaft, no lode has been taken down yet; there are some branches on the north side which will yield from 8 to 8 ext. of lead ore per fathom. The stope in back of the 30, on the south-east branch, will yield 16 ext. of lead per fathom. The stope below the 30, west of No. 1 winze, on the north part of the lode, will yield 16 ext. of lead per fathom. The stope in the back of the 8 west

spare for progress. We hope, hewever, to get down for the next level by the end of this month.

BLAEN CAELAN.—W. H. Tregoning, Feb. 11: Engine Shaft: The ground in the cross-cut extending south from the 20 cast is of about the same character as last reported, being composed of blue killas and carbonate of lime; water is coming more freely from the end every foot we proceed. The length of this cross-cut from the centre of the 20 is now 12½ fms., of which 1 fm. 2 ft. was driven last monthereset at 145s, per fm.—New Adit, South of Caelan River: This level is driving through very promising ground, containing good lodestuff, composed of spar, gossan, and carbonate of lime, spotted with lead and copper ores, and is improving fast as we get increased cover from the hill-side. It was extended 2½ fms. last month, and the level now measures 15 fms. 4 ft. 6 in. This I have re-set to four men at 140s, per fathom.

BOG: —W. T. Harris, J. Barkell, Feb. 11: Excellent progress is below:

and the level now measures 15 fms. 4 ft. 6 in. This I have re-set to four men at 140s, per fathom.

BOU.—W. T. Harris, J. Barkell, Feb. 11: Excellent progress is being made in sinking the engine-shaft below the 163 fm, level, and if the ground continues as 175 fm, level, when we shall commence to drive both east and west on the course of the lode, and at once begin to open up fresh sections of ore ground for stoping and tribute. The ends both east and west in the 163 are in abeyance, for the want of men. We have commenced driving the 50 fm, level, east from Buntin's shaft; the lode in the end is at present poor, but seeing that the 32 fm, level is a great way in advance of it, and has been driven through a good many fathoms of good ore ground, we expect to get into the same run of ore in this, the 50 fm, level. The respective tributes.

the lode in the end is at present poor, but seeing that the \$2 \text{Im}\$, level is a great way in advance of it, and has been driven through a good many fathoms of good ore ground, we expect to get into the same run of ore in this, the 50 fm, level. The pitches are yielding lead ore as usual, and the tributers making good wages at their respective tributes.

BOWDEN HILL—J. Goldsworthy, Feb. 11: The stratum in the adit level is showing favourable signs of leaving the slate rock and entering an easier channel of mineral-bearing rock. We look forward to make better progress now. We hope to lay the trainway next week, so as to get the quickest discharge for the stuff.

BRONFLOYD.—J. Davis, Feb. 11: Settings for February: Ao. 2 Shaft—Middle Lode: Two men to drive the cross-cut south of the 52, at 189s, per fathom: it was extended 6 ft. last month, and its length is now 7½ fathoms.—No. 3 Shaft—North Lode: Four men a stope over the 73, west of Jones's winze, at 75s. per cubic fathom; lode pidels 1½ ton of ore per fathom. Four men a stope over the 73, west of the masonry arch, at 90s. per cubic fathom: food produces 1 ton of ore per fathom. Six men a stope over and close to the western end of the 84, at 90s. per cubic fathom; lode produces 11; ton of ore per fathom. Four men a stope over the 83 melevel, west of the winze, at 40s. per cubic fathom; lode produces 1 ton of ore per fathom. Six men a stope over the 84 seeds of No. 3 shaft, at 96s. per cubic fathom; lode yields 1 ton of ore per fathom. Six men a stope over the same level, cast of the winze, to ut into the south wall, and carry a stope downward, at 40s. per fathom; lode yields 1 ton of ore per fathom. Six men a stope over the 96 west, at 96s. per cubic fashom; lode yields 1 ton of ore per fathom. Six men a stope over the 96 west, at 96s. per cubic fashom; lode yields 10 ton of ore per fathom. Six men a stope over the 96 west, at 96s. per cubic fashom; lode yields 10 ton of ore per fathom. Six men a stope over the 96 west, at 96s. per cubic fashom; lode yield

the 55 fm. level, to centilate the 55, cast of Wynne's, the air being very close here for the men to work. We have 30 tons of lead ore dressed; all the machinery is working well.

BWLCH CONSOLS.—R. Northey, Feb. 9: We hope to finish cutting the plat at the 82 fm. level by the end of the present week, and shall then commence to sink the shaft below the level with all possible dispatch with our present limited force of men, as I am very anxious to see this shaft to the 92.

CAEGYNON.—T. Hodge, Feb. 10: In the 70 east end we have a great, hard, strong lode, yielding lead throughout; it is letting out much water, which looks encouraging. The stope in the back of the 70 west level is worth 97. per fathom. The stope in the bottom of the 50, east of Jenkins's, is improving as we get down, the lode yielding saving work. Good progress is being made in the 30 south cross-cut towards the south lode. The stope on the south lode is turning out very well, yielding blende in paying quantities. No other change worthy of notice.

CARGOLL—John Grove, Robert Tyzzer, Feb. 10: No change to notice in the adit level west from Doctor's shaft. The lode continues about 4 ft. wide, composed principally of quartz, interspersed with mundic, blende, and lead ore throughout. The winze sinking below the adit, to the east of Bowyer's shaft, is down 17 ft.; lode 3 ft. wide, half the width is rich work for silve-lead ore. We appear to be going down in the centre of the shoot, as we are leaving a good lode in both ends of the sink, particularly in the east end, where the lode has never looked so well before. The water is daily increasing, but we hope to get down the 4 fms. by the end of next week.

CARN CARMBORNE.—G. Rowe, W. Penberthy, Feb. 7: The lode in the winze sinking below the 95 fm. level is worth 15/. per fathom. The lode in the stope east of said winze is worth 30/. per fathom. The lode in the 8 fm. level cast is worth 15/. per fathom.

CATHEDRAL—J. Michell, Feb. 12: Since my last advice we have out a cistern-plat at the 10 in Colonel's

intersection of this lode I look forward too in trin confidence that good results will be realised.

CEFN BRWYNO.—J. Paull, Feb. 11: I beg to hand you pay sheet, with the following report on this mine. Saturday last being setting-day, the following bargains were set:—The 104, to drive east, by four men, at 165s. per fathom; lode here 5 ft. wide, with good branches of lead ore, producing good saving work, and the end looks very promising. We hope to open out some productive ground here now quickly. Two pitches over the 104 east, to four men in each, at 170s, per ton; lode worth 1 ton of lead ore per fathom. A pitch over the 80 and 58 east, to eight men, at 170s. per ton; lode worth 18 cwts. of lead ore per fathom. We sold 20 tons of lead ore on the 4th inst. at 13. 15s. per ton, which is at Aberystwith, and will be sent of as early as possible. Severe frost has now set in which has stopped all the wheels and dressing, &c., but I hope we shall soon have a change in the weather again.

weather again.
CRENVER AND WHRAL ABRAHAM UNITED.—W. Thomas, John Vivian,
James Hammill, Feb. 11: Sturt's Engine-Shaft: In driving the 285 west the lode
is 1 ft. wide, composed principally of spar. In driving the 215 west the lode is
2 ft. wide, producing copper ore to dress.—Crenver Shaft: In driving the 160 est
the lode is 2 ft. wide, producing a little tin. In driving the 150, east of Harvey's
rise, the lode is 1½ ft. wide, producing good stones of tin. In driving the 145 nevel, west of rise, the lode in the end is at present small.—St. George's Shaft: In
the 203, driving east on the south lode, and west of shaft, the lode is 1 ft. wide,

yielding copper ore to dress.—Pelly's Engine-shaft: The men are making fair progress in sinking the shaft; since last advised no lode has been taken down. There is no change to notice in the 248, driving east and west of shaft, during the past week. The lode in the 234, west of shaft, is 5 ft. wide, yielding I ton of copper ore per fathom, and also good stones of tin.—Blewitt's Shaft: The men are progressing favourably in rising in the back of the 220 against the wince sinking below the 210, west of shaft. We hope to effect a communication here very shortly,—Richard's Shaft: In driving the 290, west of shaft, the lode is 5 ft. wide, yielding 3 tons of copper ore per fathom. The other bargains continue without particular change to notice. There are employed this week on tutwork 149 men and boys; tribute, 46; surface, 62; total, 257.

CWM DWYFOR.—N. C. Morcom, Feb. 12; I offered the men 111, per fathom for driving the north cross-cut for the next month, but they refused to take it, and I determined not to advance the price, which I considered was sufficient: they have now agreed to go on at the price I fixed. The water has been exceedingly low owing to the severe frost, but as we now have rain we shall have plenty. We have had, owing to deficiency of water, to leave the waste below, and to begin to dea for stoping ore above, but we shall now again push on the north and east levels to wards the ore ground, in order to lay open the bed in the different levels at the 10 from surface. I have been to the foundery to see to the necessary arrangements for doing away with the extra water-wheel and machinery for crushing and dressing is very heavy, but we shall get it up as soon as possible.

CWM ELAN.—Wm. Goldsworthy, Feb. 7: The lode in the 20, west of shaft, is very promising, and flue rocks of ore are yielded therefrom; very encouraging indeed; in the same level east of shaft we have cut the lode as far as opened upon, and it is looking first class. The extension next week will enable me to give you the value thereof.

middle of the coming wees, when a partial model of the coming wees, when a partial model of the lock, is being got on with as fast as possible.

DUCHY GREAT CONSOLS.—J. Richards, Feb. 12: In the 70, west of engine-shaft, at South Maria, we continue to drive by the side of the lode, but owing to the hard and wet nature of the ground progress is slow. In Ellis's winze, sinking below the 60 east, by the side of the lode, at Latchley, the ground is congenial for the production of copper, and favourable for progress, and on getting down about 4 fathoms deeper the lode will be again cut into for paoof of its size and value. In the stope in the bottom of 50 cast the lode continues to be worth 3 tons of ore per fathom. The engine and machinery continue in good working order.

DYLIFE.—E. Evans, E. Rogers, Feb. 11: We are glad to inform you that we have an improvement in different points on the Dyliffe lode. In the 60, cast of boundary shaft, the 25, west of old engine shaft, and also in the 25, cast of old engine shaft; we will give you the value in next report. There is no alteration in any other part of the mine. We are sorry to say that the frost is so severe as to stop all dressing operations.

EAST BALLESWIDDEN.—T. Trahair, Feb. 11: The new shaft is taken up and timbered as deep as the 30 fm, level. There is a great quantity of stuff at the 30.

shop all dressing operations.

EAST BALLESWIDDEN.—T. Trahair, Feb. 11: The new shaft is taken up and imbered as deep as the 30 fm. level. There is a great quantity of stuff at the 30 that will pay to stamp. We intend sending this up at once; at the same time we shall be securing the shaft from the 30 to the 50. The 30, diving west from the engine shaft, is opening good tin ground. The stopes in the back of this level are clocking well. The stopes in the back of the adit level, on the flat lode, are looking just as they have been for the last two or three weeks. The men on the Rose lode are raising a great quantity of tinstuff. This lode is looking well, and is likely to well remunerate the company for their outlay. There is no doubt, as soon as we get the shaft taken up to the 50, we shall greatly increase the returns of tin, this being the great point we started the mine for. The sale of tin will be to-morrow, the greatest quantity we have had since we commenced to work. The stamps and machinery are working well.

EAST BLACK CRAIG.—Thomas (Cogar, John Betty, Feb. 12: In the 108 we have suspended the driving of No. 3 cross cut for a while; until better ventilated we cannot work it to advantage. The lode at this point is strong and healthy, and letting out a little water through small vaghs, consequently the progress has been slow. We intend stripping the side of this level a few fathous further back, where there is better air, and some lead standing on the side, and we shall see if it has any connection with the lead cut in the cross-cut. The stopes west of winze are looking well, worth 26; per fathom for lead. The stope west of shaft is worth 26; per fathom, and is chiefly blende, with a misture of lead. The stope west of shaft is worth 14; per fathom for lead. The old stopes are producing their usual quantities of ore. Palmure: We are now stoping the back of leves at 27, per fathom; worth for lead 56, per fathom. Surface work and machinery going on as usual.

as usual, AST BOSCASWELL,—William Eddy, Feb. 11: The men driving on the n

EAST BOSCASWELL.—William Eddy, Feb. 11: The men driving on the new lode at the 120 are making slow pregress, as the ground is hard; the value of the lode has slightly decreased. Seven men last month broke 1 ton of this from this end. The tribute pitches are without alteration, and machinery is working well.

EAST CHYERTON.—R. Southery, Feb. 11: During the past week the ground in the 64, west of engine shaft, has improved for driving, also the lode greatly increased in size, and presenting altogether a still better appearance than before. We are now within 10 fms. of the perpendicular of the shoot of silver-lead alluded to in my former report, gone down in the bottom of the 52. The utmost energy is being exercised in pushing forward this end by six men, as much as they can drive for the mouth, at 34, 10s, per fathom. In the 52, cast of engine shaft, the lode is fully 4 ft. wide, having continued so for the last 12 fms, drivage. About half the size is composed of beautiful quartz, Intermixed with blende, mundie, and spots of silver lead. Aswe are extending this driving more water issuing from the lode, which a good indication of something very good in advance of this end. It is a source of great pleasure to me to be able to state that during the time I have been connected with the mine I have never seen any lode approaching this; in character it is all that can be desired to prove a rich one ore long. Within the past fortnight we have not been able to make that progress in driving which I could wish in consequence of the ground being so heavy. Was obliged to come back in the level and put in stronger timber; this is, I am glad to say, completed, and the men have resumed the driving with a full force, at 27, 8s, per fathom. All other work going on much as usual, we was all progress in driving which I could wish in consequence of the ground being so heavy. Was obliged to come back in the level and put in stronger timber; this is, I am glad to say, completed, and the men have resumed the driving with a full force, a

coher work going on much as usual.

EAST WHEAL BASSEX: AR. Pryor, N. Bartle, Feb. 10: In consequence of the failure of the stuffing bex of our bottom plunger lift, the water has flooded our points of operation at the 110 fathom level for nearly the whole of the past week. We have no change to report on in any of our stopes or tutwork bargains since

points of operation at the 110 fathom level for nearly the whole of the past week. We have no change to report on in any of our stopes or tutwork bargains since last week.

EAST WHEAL GRENVILLE.—E. Hosking, W. Bennetts, Feb. 12: The 'engine-shaft sinking below the 120 is progressing satisfactorily; the lode is 3 ft. wide, producing tin and copper 10. Per fathom; this is a very promising end and the ground easy for driving. The 120 cross cut north is a little easier, and lets out more water. The lode in the 110 west is 20 in. wide, and worth for tin and copper 10. Per fathom; this is a very promising end and the ground easy for driving. The 120 cross cut north is a little easier, and lets out more water. The lode in the 110 west is 20 in. wide, and worth 67, per fathom. The lode in the 95 cast is 81, wide, and worth 107, per fathom. The lode in the 95 cast is 81, wide, and worth 107, per fathom. The stope below the 95 cast will produce 2 tons of copper ore per fathom. The stope below the 95 cast will produce 2 tons of copper ore per fathom. The stope low the 95 cast will produce 2 tons of copper ore per fathom. The stope long, which will produce 2 tons of tin per fathom for this length. The 90 west is poor and suspended.—Tregonebris: The lode at the 30, cast of new engine-shaft, is worth 23, per fathom. The intermediate lode below the lod is worth about 107, per fathom. We have raised 14 tons of tin ince the meeting on Dec. 31 last.

EAST WHEAL SETON.—W. Pasce, Henry Arthur, Feb. 12: We have use-pended the driving of the 80 cast from Henricita, and have put these men to eat through the lode at the 70, as we think it very desirable to see the south part of the lode, and have put these men to eat through the lode at the 70, as we think it very desirable to see the south part of the lode, and have put the men that were driving the 70 to stope the eastern end of the winze, the lode is 4 ft. wide, worth 5 tons of ore per fathom. In the stope cast of winze, the lode is 4 ft. wide, worth 5 tons of ore per fathom. The s

forward state, and the machinery is in good working order.

Feb. 7: The ground in both shafts, Walter's and Eliza's, is still good for progress, and will, no doubt, be down in the time named—end of March. We have the lode in the 60 fm. level west, on the standard lode, which is looking very kindly; I hope it will turn out something good.

FRANCO CONSOLS.—W. Dodge, Feb. 10: The lode in the shallow adit west is now about 2½ ft. wide, and looking likely to become larger; its composition is chiefly capel, intermixed with spar, mundic, and a little tin, but not to value. The tram-wagon is delivered on the mine, and the men are now engaged in laying down the road, which will be completed in the coarse of a few days.

FRANK MILLS.—J. Nicholls, Feb. 12: The 45, north on east branch, continues to lay open productive ground; the strata very congenial, and the lode presents indications for an improvement. The new stope in back of this level is yiel-ing ½ ton of lead ore per fathom. Cleave's stope in back of this level continue to produce 5 ewt. of lead ore per fathom. Cleave's stope in back of this level continue to produce 5 ewt. of lead ore per fathom. The ground south of this stope is now to be worked, and, I have no doubt, will be found equally as productive as the adjoining ground. Gidley's cross cut is being continued east, by four men, to intersect the east branch further south, and I have no doubt profitable ground will be discovered shortly. During the past month good progress has been made in driving the 84 cross-cut west, the strata very congenial, and the water issuing therefrom, and other indications, lead me to think that the west lode will be intersected within a few fathoms driving, and, I have no doubt, very valuable discoveries will be made in the south part of the mine. The prospects of the mine are improving. All the machinery and priwork in an efficient state.

FRON VELLAN.—Capt. Harper, Feb. 11: In the cross-cut driving north of level, west of deep adit, the ground within the past week has become a l

and we hope in the course of a tew months to have an the gear for pumping and winding in decent working order.

LOVELL (The).—J. Nanearrow, Feb. 12: The shaft will yield 2 tons of tin per fathom. The sumpmen are now cutting ground and preparing to fix a lift at the 30 fm. level. The 30 cast yields I ton of tin per fathom. The rise above the 12 is worth 20%, per fathom. The stope above the 12 is also worth 20% per fathom. We are preparing a shears, &c., for sending down the pitwork.

NEW GREAT CONSOLS.—R. Pryor, II. Bennetts, H. Tregoning, Feb. 10: The stopes and tutwork bargains throughout the mine are without change worthy of notice since last report. We have put six men to cut through and stope the lode to the north of the old workings, in the 60, west of Phillips's engine-shaft, at 4s. 6d. per ton of stuff; the lode is looking well at this point, and we shall be better able to give its value in our next report. During the past week we have changed the old air-pump, bucket rod, &c., of Phillips's engine for a new one, and this engine is now in thoroughly good condition, and working well. Saturday next being our pay a destring day a full report shall follow.

NEW ROSEWARNE.—E. Hosking, W. Bennetts, Feb. 7: The lode in the 104, cast of Bickford's shaft, is 4 ft, wide, and worth 9% per fathom. The lode in the 104, cast of Bickford's shaft, is 4 ft, wide, and worth 9% per fathom. The lode in the 104 peal's shaft, is producing saving work for tin. The lode in the 46, west of Pool's shaft, is producing saving work for tin. The lode in the 46, west of Pool's shaft, is producing saving work for tin. The lode in the 46, west of Pool's shaft, is producing saving work for tin. The lode in the 46, west of Pool's shaft, is producing saving work for tin. The lode in the 64, west of Pool's shaft, is producing saving work for tin. The lode in the 65 west of Pool's shaft, is producing saving work for tin. The lode in the 66 west of Pool's shaft, is producing saving work for tin. The lode in the sunderlying more south, and fro

the whole continues without any change since the report issued at the shareholders meeting, recently held.

NORTH POOL.—W. C. Vivian, F. Clymo, Feb. 12: We think we are meeting with small parts or branches of the cross course. We are very anxious to get into the latter, because we shall in all probability be able to drive 2 or 3 fms, for one in the rock in which we have hitherto been. We believe we are safe to have a good course of copper ore if we can only cut the old lode, and we may possibly find the Whodde lode a good one before reaching the first named.

NORTH ROSEWARNE.—E. Hosking, W. Bennetts, Feb. 12: The lode in the 20 fm. level, east of engine shalt, is 3 ft. wide, producing a little tin and copper; we are pushing on this cud to get under the carbona. The lode in the 20 west, on south part, is 18 in wide, and looks kindly for an improvement; it produces a little copper and mandie. We have taken the men from the cross-cut and placed them to sink below the 10 fm. level in the carbona, where there is a good-looking lode, yielding rich stones of the and copper. sink below the 10 m. level in the already is sink below the 10 m. level in the capper. ielding rich stones of tin and copper. NORTH TRELEIGH WOOD.—W. Tregay, Feb. 12: In the deep adit end eas not the capper of tin and lets out much water. In the deep adi

yielding ren some state WOOD.—W. Tregay, Feb. 12: In the deep adit the lode produces good stones of tin, and lets out much water. In the deep adit end west the lode produces good stones of tin, blende, and copper.

NORTH TRESKERBY.—R. Pryor, T. Jenkin, Feb. 10: We have not yet intersected Snell's lode in the shallow adit cross cut, south of perpendicular shaft, but, judging from present appearances, we daily expect to do so. The stopes on Snell's lode are without change since last week's setting report. Good progress is being made in driving the deep adit cross-cut north of shaft, where the ground continues uade in driving the deep adit cross-cut north of shaft, where the ground continues a most favourable nature. OLD BATHOLES.—A. Waters, Feb. 12: Setting Report: The 60 to drive south

winze, by six men, at 17. per fm.; lede of great width, composed of carbonate lime, but without lead to value. We are still in the greenstone, but cannot now far from the junction of the clay-slate, in which the lode may produce ore. The fm. level cross-cut east by two men, who are cutting through the Big lode, which very hard and wet, on stem account. The 48 fm. level cross-cut, west towards e old workings, by four men, at 5/. 10s. per fathom; this cross-cut will be the ming noint in the mine.

rning point in the mine.
PARYS MOUNTAIN.—T. Mitchell, Feb. 12: The stopes at the 80, west of cross

PARYS MOUNTAIN.—T. Mitchell, Feb. 12: The stopes at the 80, west of cross-course, are improving: the lode maintains its width, and the ore is of a better quality. All other stopes continue to yield the same as last reported.

PEDN-AN-DREA UNITED.—W. Tregay, W. Prideaux, John Peye, Feb. 7: Sump: The men are making moderate progress in sinking, the water being quick, although being well kept in fork. In the 150 north cross-cut we have struck another part of the lode, containing rich stones of tin, but cannot yet report its breadth or value. In the pitch in the bottom of the 140 fm. level east the lode is worth 400, per fathom. In the 140 west cod the lode (Martin's) is worth 100, per fathom. In the 140 west end the lode (Martin's) is worth 100, per fathom. In the 110 west end the lode (Martin's) is worth 150, per fathom. In the 150 west end the lode (morth) is worth 151, per fathom. In the 150 west end the lode (morth) is worth 151, per fathom. In the 150 west end the lode (morth) is worth 151, per fathom. In the 50 west end the lode (morth) is worth 152, per fathom. In the 50 west end the lode (morth) is worth 153, per fathom. In the 50 west end the lode (morth) is worth 154, per fathom. In the 50 west end the lode (morth) is worth 154, per fathom. In the 50 west end the lode (morth) is worth 154, per fathom. In the 50 west end the lode (morth) is worth 154, per fathom.—Jack's: In the 40 east shaft the lode (morth) is worth 104, per fathom.—Trevena's: In the 30 east end the branches over the great Carbona are worth 104, per fathom.—Rived: In the 30 east end the branches over the great Carbona are worth 104, per fathom.—Tertahom.—Critchley's: The ground sinking under this level is still hard—progress made moderate. No other changes to report.

PENHALE WHEAL VOR.—W. H. Martin, Feb. 12: The lode in the engineshaft is still underlying very rapidly towards the north lode: in a few feet sinking it will be to the north of the shaft; we are continuing the shaft in the regular

shaft is still underlying very rapidly towards the north lode; in a few feet sinking it will be to the north of the shaft; we are continuing the shaft in the regular course of underlie for the pitwork. It is one opinion when the intersection takes place it will change the underlie, as the north lode is the nain lode, and underlying south towards the engine shaft lode. The 170 east end is without change; the nen are driving by the side of the lode. In the 170 west end the men are taking down the lode; I am pleased to say it is gradually improving for copper 12 ft. behind the end, and the part producing copper is 6 in, wide; in the present end

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II 18.76. Sh. wide. The bear whe was a figure precluding a backet on the little required. The proposal and a vary primitive character. The proposal price is a strength of the little required to the little req

PHENIX (Silver Lead).—R. Pryor, E. Adams, Feb. 9: The lode in the engineaft, sinking below the 60, continues to be quite as productive as we have ever fore seen it, with an appearance that bespeaks further improvement shortly. It now 6ft, wide, and producing 25 ewst, of lead ore per fm. The other stopes and twork bargains throughout the mine are without change to notice since the set-

is now 6 ft. wide, and producing 25 cwts, of lead ore per fm. The other stop's and tutwork bargaths throughout the mine are without change to notice since the setting report of last week.

PLYNLIMMON.—J. Garland, Feb. 11: In consequence of a breakage to the cheek connecting the flat rods to shaft-bob, and relixing bob, nothing has been done in the 24 since the last report. In the cross-cut north of the 12 progress is slow, the end being still in hard sandstone. In the winze sinking below the 12, cast of new shaft, the lode has fallen off in value, now producing about 15 cwts, of lead ore per fathom. In the addit level, east of cross-cut, we have branches of mundic, with a good deal of water issuing from the end, which leads me to expect to find the lode productive shortly. In the same level west of cross-cut the lode is 2 ft. wide, producing 1 ton of lead ore per fathom. The stopes throughout the mine still produce the estimated values given in the setting report. During the past week we have had some very severe frost, which has completely blocked up our dressing floors; nothing is being done in that department. We still keep going our drawing and pumping-wheels with a great deal of trouble. I hope to keep the water below the 12 until a change takes place in the weather; this will enable us to keep on all the bargains from whence our returns are derived, and accumulate ore stuff at surface. We have near all the castings from the foundry for drum, &c., for top of incline, and immediately the weather becomes open shall erect and start the same: this, when completed; will enable us to treat a great deal more stuff, which will give an increase of (and more regular) returns.

PRINCE OF WALES.—J. Gifford, F. Phillips, Feb. 12: In the 77 east we are PRINCE OF WALES.—J. Gifford, F. Phillips, Feb. 12: In the 77 east we are

more stuff, which will give an increase of 'and more regular') returns. PRINCE OF WALES.—J. Gifford, E. Phillips, Feb. 10: We have not taken down the lode in any of the tutwork bargains during the week, consequently we have no change to advise.

PRINCE OF WALES.—J. Gifford, F. Phillips, Feb. 12: In the 77 cast we are still driving by the side of the lode. The same remark will apply to the 65 cast, where we expect to take down the lode in the beginning of next week. We shall also take down the lode in the stopes in back of this level at the same time is a little improvement in one pitch in back of the 77 west.—Bilver Lode: We shall take it down on Saturday.

RESTRONGUET TIN STREAM.—Feb. 11: At the setting on Saturday last the following bargains were set:—The deep level to drive north from No. 3 pass 2 fms., or the month, by two men and two boys, at 3/. per fathom. The No. 1 main level to drive north in the tin ground by four men, the month, at 30s, per fathom; the gravel is 1ft. thick, of fair quality. The No. 2 main level to drive north in the tin ground by four men, the month, at 30s, per fathom; the gravel is 10 in. thick, of good quality. The air level to drive south from No. 1 pass by one man and one boy, the month, at 23s, per fathom; this end is not clear of the old workings. The cross levels to drive north and south from the Nos. 1 and 2 air levels by seven men and seven boys, at 14s. per fathom; the gravel will average about 20 in. thick. The cross level south from first air level, 4 fms. east from No. 2 main level, to strip by four men and four boys, at 8s. per fathom; the gravel is 18 in. thick, of fair quality. The No. 1 air level, 3 fms. east from No. 2 main level, to strip by four men and four boys, at 8s. per fathom; the gravel is 8 in. thick, of fair quality. The No. 1 air level, west from No. 2 main level, to strip by four men and four boys, at 8s. per fathom; the gravel is 3 ft. thick, of good quality. The No. 1 air level, west from No. 2 main level, to strip by four men and four boys, at 8s. p

by four men and four boys, the month, at 11s. per fathom; the gravel is 3 ft. RHEIDOL.—John Ridge, Feb. 7: The sinking of the engine-shaft is progressing satisfactorily. In the 10 west the lode is 4 feet wide, yielding a little lead and blende.—Rhurug, as: There is no further improvement in the deep adit level this week; the character of the lode is much the same as when I wrote on Saturday. ROMAN GRAYELS.—A. Waters, Feb. 12: Taking the mine throughout there is nothing new to write about since my setting report of last week. We are locking quite as well everywhere as on that date. Our usual sampling of 230 tons takes place next week. The frost has shut up our slime-dressing department. ROSEWALL HILL AND RANSOM UNITED.—Wm. Bugelhole, John White, Feb. 4: Standare Lode: The lode in the 80 driving west of sump-shaft is looking a little more promising, and we are daily expecting to meet with the run of tin ground aband of us.—North Carbona: The lode in the back is worth 50. per fm., and the bottom is worth 30. per fathom. Nos. 2 and 3 crossings are worth 50. per fathom.—Goole Pellas: The lode in the 18, west of cross-cut, has improved since our last report, and is now 3 ft. wide, worth 14. per fathom. The 18 east is worth 150 per fathom. We have not taken down the lode in the next intervalsalishing since our last report; our last taking-down was worth 20. per fathom. There is no particular change in the 100 cross-cut south, but in the 36 cross cut north we have cut a little water.

have cut a little water.

ROSEWARNE UNITED.—E. Hoeking, W. Bennetts, Feb. 12: Since the boiler has been repaired we have been making fair progress in forking the water, and the tributers are again working their respective pitches. There is an improvement in the app arance of the lode in the 22, cast of Wellington's shaft, which is now worth

16'. per fathom. In the rise over the last-named level the lode is 5 ft. wide, and worth about 30'. per fathom. In the No. 3 winze sinking under the 71, west of King's shaft, the lode is 6 ft. wide, and worth about 25'. per fathom. In the rise in the back of the last-named level, against Vivian's shaft, the lode is 6 ft. wide, and worth about 15'. per fathom. In the sinking under the 61, east of King's shaft, the lode is 6 ft. wide, and worth about 12'. per fathom. In the 61, cast of King's shaft, the lode is 3 ft. wide, and worth about 15'. per fathom. In the 20, cast of new shaft, the lode is 2 ft. wide, and worth about 25'. per fathom in the 20, cast of new shaft, the lode is 2 ft. wide, and worth about 25'. per fathom the 25' per fathom in the 26' per fathom. In the deep adit level, west of Reservoir shaft, the lode is 3 ft. wide, and worth about 5'. per fathom. There is nothing requiring notice at the other points of operation.

and worth about 15. per tateon, and work motion 12. governations. The file of this per tateon, and work motion 12. governations. The file of the per tateon 1. In 18. 18. 18. 2. ast of new shaft, the lode is 2 ft. wide, and worth about 15. per fathom. The shaft per tateon 1. In 18. 2. ast of new shaft, the lode is 2 ft. wide, and worth about 5. per fathom. There is nothing requiring notice at the other points of operation 1. CARN BEA—W. Rich, J. Knotwell, Feb. 9: The lode in the engineers of the shaft is disordered by a cross-course, now worth 10. per fathom for this, and look-ning likely to improve for copper as we leave the influence of the cross-course, who have hold the rise in the back of the 16.9, which has given good ventilation, and operated it is disordered by a cross-course, now worth 10. per fathom for this, and look-ning likely to improve for copper as we leave the influence of the cross-course, who have hold the rise in the back of the 16.9, which has given good ventilation, and operated the class of the hauling shaft for 4 fathoms in depth was in a very rotten state, so much so that a portion of it gave way; we were busily engaged in putting in timber and repairing the same for eight days, during flat thine we could not draw grain shaft part of the state of the same provided and the state of the hauling-shaft for 4 fathoms in depth was in a very improved appearance. The 50, to drive west, by six men, at 11. 15s, per fathom; the lode is 2½ ft. wide, producing saving work for lead, and showing a very improved appearance. The 50, to drive west, by six men, at 11. 15s, per fathom; the lode is 2½ ft. wide, and worth 13. per fathom. To stope the back over the 50, west from the winze, by six men, at 55s. per fathom; west from the shaft, by eight men, at 50s, per fathom is the lode is 2½ ft. wide, and worth 18. per fathom. To stope the back over the 50, west from the winze, by six men, at 50s, per fathom; the lode is 70 men, at 50s, per fathom; the lode is 70 men, at 50s, per fathom; the lode is 10 men, at

M. per fathom. We are now preparing to tang the main-rods to the engine, and St. Control of the control of the

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the caunter lode, the lode is 8 ft. wide, worth for tin 7l. per fathom; a very promising lode. In the 30 fm. level, driving west of cross-course, on the caunter lode, the lode is 1 ft. wide, principally mundic; it is a very kindly lode, producing good stones of tin, and will, we think, shortly improve. We have commenced a shaft on the south lode, near the Tolgus great cross-course, and the lode seen in tesostean pit is all that can be desired at so shallow a depth; from its appearance we think it will produce copper near to surface. We are pushing on operations with all speed.

with all speed.

TYLLWYD.—John Paull, Feb. 12: Everything is going on well; we have got through the burrow on the south side of the river, and the water will be brought not through the new leat opposite the new wheel by Saturday night. The shaftmen regoing on well with the sinking of the shaft, and the ore in the winze mentioned n my last report is quite as good as it was then, and will yield 12 cwts. of lead per athom, with every appearance of improvement as we proceed. Everything is eling urged on with the utmost dispatch, and the appearance of the mine is very avourable.

being urged on with the utmost dispatch, and the appearance of the mine is very favourable.

VAN CONSOLS.—James Roach, W. T. White, Feb. 12: The winze sunk under the 35 from surface is now communicated with the roof of the adit, as d next stopes let east and west of the same. The lode in the adit, east of Gundry's shaft, is without change since last report. No. 4 winze, sinking under adit, has improved, and is producing upwards of 1 ton of lead per fathom. There is no alteration in the lode in the 15 under adit, which is worth 5 tons of lead per fathom. We are now sinking a winze under this level 8 ft. long and 6 ft. wide, which is producing 4½ tons of lead per fathom: but we have still 9 ft. more of lode standing to the north which contains lead throughout. The recent important improvement in the 15 under adit has induced me to at once sink Gundry's shaft to another level, which is set 15 fms, certain bargain. No alteration in the stopes to call for particular notice. The general appearance and prospects of the mine have much improved of late. I have sent to the office a box of ore taken from the lode in the 15, which is well worthy of inspection.

WEST CARADON.—N. Richards, John Pryor, Feb. 11: Three stopes in back of the 55 will yield in the aggregate from 4 to 5 tons of copper ore per fathom. The lode in the 42, west of cross course, will yield about 1 ton per fathom. The lode in the 30 is large, and producing some g sod ore, and from present indications likely to improve.

WHEAL COATES,—W. H. Martin, Feb. 11: The shaftmen are making fair pro-

the 59 will yield in the aggregate from 4 to 5 tons of copper ore per fathom. The lode east of rise is disordered by cross he dis, present value about 1 ton per fathom. The lode in the 42, west of cross course, will yield about 1 ton per fathom. The lode in the 30 is large, and producing some g od ore, and from present indications likely to improve.

WHEAL COATES.—W. H. Martin, Feb. 11: The shaftmen are making fair progress in sinking below the 20.—No. 2 Winze: The lode in the 20 end west is much easier for driving, and the men are making good wages, worth for tin 10. per fm. In the 20 end east the progress is rather slow, worth for tin 10. per fathom.—Ladder Winze: 1 the 20 end east the progress is rather slow, worth for tin 11. per fathom. We expect to communicate No. 2 winze with ladder winze at the 20 the latter part of next week. The masons are engaged building the calciner house.

WEST ESGAIR LLE.—R. Harvey, Feb. 5: Eastern Mine: We continue to make good progress in sinking Hamilton's shaft below the 24.—Western Mine: The underground bargains throughout the mine are about the same as last report. In consequence of the frost for the last few days dressing operations are not going on as fast as I could wish. As soon as a change in the weather takes place dressing will be pushed on with all dispatch.

WEST ESGAIR LLE.—R. Harvey, Feb. 12: In consequence of the continuance of the frosty weather our water-wheels are completely frozen up, and all surface operations at a standstill. The stopes in the back of the 10, in Western Mine, are in regular course of working, and will yield about their usual quantities of ore. I hope we shall so on have a change in the weather, when no time shall be lost in starting the wheels to work again.

WEST GOOLPHIN.—John Pope, jun., Feb. 9: Setting report for four weeks ending March 6, set on Friday last—Caunter Lode: Pressure shaft is sunk below the 55 fm. level 1 fm. 0 ft. 6 in.; the lode in the bottom of the shaft is 5 ft. wide, worth 50, per fathom; lode 20 in. wide worth 50, p

day a full report shall follow.

WEST GWENNAP CONSOLS.—J. Nancarrow, Feb. 11: In driving westward
the end still inclines south, but we have not yet got into a settled lode. The adit is
in good repair.

WEST JEWELL.—J. Michell, Feb. 12: The adit level, west of Tregoning's shaft,

west given the part shall follow.

west given the constitution of the end still inclines south, but we have not yet got into a settled lode. The adit is in good regulez LL.—J. Michell, Feb. 12: The adit level, west of Tregoning's shaft, is mode the same as last results of the still inclines south, but we have not yet got into a settled lode. The adit is in good regulez LL.—J. Michell, Feb. 12: The adit level, west of Tregoning's shaft, which is being sood and lasting one. In the adit level, west of Freeman's shaft, the lode is about 3 ft. wide, producing saving work. The ground in the new shaft, which is being sunk to vontiate the level driving on Freeman shole, is undergoing such a change as induces are to believe that we shall soon have the lode. The tribute pitches are looking just the same as for some time past.

Gravels boundary, will be looked to the 50 north of south boundary shaft in course of the next 10 days. The 60 south of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be pushed forward under the order of the said shaft will be said to said shaft will

meeting with; as just below the splice the lode showed fine indications we anticipated a good lode.

WHEAL GRENVILLE.—E. Hosking, W. Bennetts, Feb. 7: The men are making fair progress in cutting ground preparatory to sinking below the 150. The rise above the 150 is worth 30%, per fathom. The lode in the 140 east is worth 25%, per fathom. The rise above the 140 is worth 25%, per fathom. The rise above the 140 is worth 25%, per fathom. The north shaft, sinking below the 120, is producing stamping work. The lode in the 120 east is worth 15%, per fathom. The stope above the 120 east is worth 15%, per fathom. The stope below the 110 east is 20 in, wide, and worth 8, per fathom. The stope below the 110 east is worth 15%, per fathom. The lode in the 100 east is 2 ft, wide, and worth 8, per fathom. WHEAL KITTY (St. Agnes).—S. Davey, J. Williams, Feb. 7: New Shaft—Pryor's Lode: The men are still desuing the lode in the 142 fm. level, east and west of shaft, The lode in the 130, driving west of shaft, is worth for tin 10%, per fathom. In the 130 fm. level, east of shaft, no lode has been taken up. The lode in the 118, driving seat of shaft, is worth for tin 11%, per fathom. The lode in the 118, driving seat of shaft, is worth for tin 11%, per fathom. The lode in the 118, driving seat of shaft, is worth for tin 11% per fathom. The lode in the 186 driving seat of shaft, is worth for tin 18% per fm. The lode in the 106 fm. level, driving west of shaft, is worth for tin 18% per fm. The lode in the 20 fm. level, driving seat of shaft, is worth for tin 18% per fm.

In the north adit level, driving west of eastern boundary, we have no change to notice.

WHEAL MARY.—T. Parkyn, Feb. 12: The tin dressers are busy in clearing up the tin. We have no slime tin cleared up, but we have cleared up the crop; I estimate we have 4 tons to sell, and this has been raised from the north lode, except a few tons taken from the Plexy and south lodes to test their value. All things are going on well, and I shall give a full report, with the future prospects, &c., next week for the meeting, the number of tons of tin sold, and the amount realised.

WHEAL MARY HUTCHINGS.—Henry Miners, Feb. 11: The water is so far drained from the Hemerdon Mine as to allow of working, and the men are now engaged in cleaving the 27 fm. level, to prepare for stoping. As far as we have seen of the back and bottom of the level we have every reason to expect a very producing location of the lot of the stamps; from the favourable character of the ground I think we shall soon see a greater improvement, especially as we near the tin ground gone down in the bottom of the 22 fm. level. There is also an improvement in the 22 fm. level, east of shaft; is the lode is now about 6 ft. wide, producing saving work for the stamps, and looking promisting for a further improvement as we go east. There is no change to notice in any other part of the mine since my last report. We have five stopes at work, worth on an average 5t, per fathom. From the facts which are daily coming before my notice, I will again say that with a little patient perseverance the mine will again re-enter the Dividend List.

WHEAL RUBY.—J. Richards, Feb. 11: The lode in the adit end driving west

the mine since my last report. We have a ready a stream the fair of the home. From the facts which are daily coming before my notice, I will again say that with a little patient perseverance the mine will again re-enter the Dividend List.

WHEAL RUBY.—J. Richards, Feb. 11: The lode in the adit end driving west has been disordered for the last three or four days with a mixture of killas and clvan, in consequence of which it has been unproductive for tin, except a small vein towards the bottom of the level, which has continued all the time to yield some good tin. The lode, however, has again an improving appearance, and in a few feet further driving I believe we shall have a good lode for tin, and I think those changes in the nature of the lode and ground, on the whole, tend rather to improve than to improve that to improve the new feet further driving I believe we shall have a good lode for tin, and I think those changes in the nature of the lode and ground, on the whole, tend rather to improve that to improve the proving the production. I am fully persuaded (as I have stated in a previous report) that we are now driving over a valuable course of tin, and in a few days I feel confident of having a great improvement in the adit level, which we are pushing forward as fast as we can.

WHEAL RUSSELL.—John Bray, Feb. 12: The lode in the 25 is worth 30, per fathom. The lode in stopes above the 40 is worth no an average 20, per fathom. The lode in stopes above the 40 is worth on an average 20, per fathom. The index in the back of the l50, east towards Goodinge's shaft, is unproductive. The 140, west of incline shaft, is worth 100, per fathom. The rise in the back of the l50, east towards Goodinge's shaft, is unproductive. The 140, west of this shaft, is worth 100, per fathom. The rise in the back of the l50 cast, east of King's shaft, is worth 100, per fathom. The rise in the back of the l50 cast, east of King's shaft, is worth 100, per fathom. The rise in the back of the l50 cast is worth 100, per fathom. The lode cas

THE VAN MINE—SPECIAL REPORT.

Feb. 11.—The 75 fm. level cross-cut has been driven north of shaft 15 fms. 1 ft., and intersected the lode, but we have not as yet cut the main leader, where we expect to meet whith the great raish of water, and the most productive part of the lode, but are daily expecting to do so; so far as seen we have a strong masterly lode, containing lead ore throughout; this cross-cut is set to six men, at 240s. per fathom. We have also set to six men to cut the loom or lodge for water under this level, in order to be ready to resume the sinking of the shaft for the 90; set at 140s. per cubic fathom. The 90, east of shaft, is set to six men to drive in the soft by side of the lode; at 70s. per fathom; the lode at the furthest point opened upon a world of the lode. The 91 east of shaft, is set to six men to drive in the soft is worth 30°, per fathom for lead ore. The stripping down of the lode to full width at the part of the set of shaft, in this level, is set to six men, at 10s. per fathom. The stripping down of the lode to full width, at 20 a point 20 fms. west of shaft, in this level, is set to six men, at 70s. per fathom. The stripping down of lode to full width weather the set of the lode, at 40 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode to full width, at 20 s. per fathor of the lode, at 80s, per fathor of the set of shaft, set to six men at 60 fm. level cross-cut, set to six men, at 70s. per fathor of the lode of the lode, at 80s, per fathor of the set of shaft, is set to six men to drive in the side of the lode, at 80s, per fathor. The 95 fm. stope set to six men, at 10s, per fathor. Th

partments, and impedes our dressing operations throughout. Our four-weekly sale takes place to-morrow upon 450 tons of lead ore.—W. WILLIAMS.

CORNISH MINE SHARE MARKET.—The market, as might be expected after the further reductions in the tin standards this week, has been very dull and depressed, and is not far from utter stagnation. On Monday the standards were dropped, and although only one reduction has been announced in the papers yet it is stated that tin has gone down altogether this week 54. a ton, the result of which is that shares in Cornish mines have been disposed of at declining rates, although the business transacted has been confined to just a few mines, and is very limited indeed, and it seems that some people appear almost panic stricken. The second failure in the tin trade is spoken of as the cause of the reductions and the consequent mining depression, other reasons, however, being also mentioned. Cornwall is not alone, however, in its depressed state, for in America, it is stated, there are hundreds of miners, mechanics, &c., on the point of starvation. From Austral also, and India, pitiable reports reach us. As we have sald before, this is not the first time that Cornwall is said "to be done," and, as on former occasions, so again things will find their level. Extremes never last long, and as matters mend when they are at their worst it is to be hoped that we have now almost reached the lowest point. Some time since it was stated that Straits and Banca tin would swamp our markets, and now there are similar rumours in reference to the importations from Australia. Although the present is a very dult time, yet we believe that, if carried on legitimately, Cornish mining will be a source of revenue to the county, and of profit to numerous investors for very many years to come yet.

The following are the closing prices:—Carn Brea, 50 to 52; just a few shares have enhanged hands: to skitchens are as low as 9 to 9½, but little business has been transacted. Dolcoaths have declined to 44, 45; shares h

Wheal Uny, 2% to 3.—West Briton.

BOTALLACK.—It is stated, on good authority, that during the past three or four days a good tin lode has been intersected at Botallack,—in that part of the sett known as the new part, situate between Carnyorth and the eliff part of Wheal Cock. This is reported by miners as a splendid piece of mineral ground, and for a long time past it has been about the best paying and most productive portion of all Botallack for tin. The new tin lode referred to is reported as being worth 40% or 50% per fathom. The next meeting of Botallack willbe held in about 10 days; and it is hoped that the discovery may prove to be of lasting duration, and tend to still more important ones.—Cornich Telegraph.

Bever Mr. I. Stephens of St. Lames's heap stanted an invention.

PEAT.-Mr. J. Stephens, of St. James's, has patented an invention PEAT.—Mr. J. Stephens, of St. James s, has patented an invention elates to treating excreta and peat by filtration, impregnating solid excreta with arbonic acid gas, extracting ammonia from the liquid portion, and re-using the raste: impregnating excreta and peat with clayey water to bind the particles, recssing excreta and peat into blocks for transport, packing unpressed excreta in acks with charcoal, and otherwise fitting it for manure.

NO MEDICINE FOR THE CURE OF ASTHMA, CONSUMPTION, AND NO MEDICINE FOR THE CURE OF ASTIMA, CONSENTION, AND COUGHS was ever attended with such speedys and unfailing success as Dr. LOCOK'S PULMONIC WAFEIS. In every periodical may be seen testimonials of their wonderful efficacy. Nothing else gives such a sound, refreshing night's rest. In hysterical, nervous, and heart complaints they are unfailing, and in rheumatic and nervous pains they act like a charm. They taste pleasantly. Sold at 1s. 1½d. per box, by all druggists. With this week's Journal a SUPPLEMENTAL SHEET is given, which contains—original Correspondence: Gold Coast of Africa (G. Peacock): Richmond Consolidated Mining Company (S. A. Postlethwaite); Emma Mine (W. Ward, R. R. Hawkins, W. H. Tooke); Mine Development (J. T. Blanchard); Compressed Peat as a Cheap Fuel (E. Rowlands); Coal a Dangerous Cargo, No. VI. (A. Vassard); N. Ennor on Anonymous Writers; Mining on the Halkin Mountain; Mining in Cardiganshire, No. II.; Mine Payments—the Five-Weeks' System; British and Foreign Mining Enterprise (R. Tredinnick); Carn Brea and Tincroft Accounts (T. B. Laws); English Mining, Present and Future (T. J. Barnard); South Tolcarne; Old Treburgett Mine; Bensberg Lead Mining and Smelting Company; Tecoma Mining Company (J. M. Almada); Mining in Neva during 1873 (J. D. Emersley), &c.—Meetings of the Hockley Hall Collieries, Maughold-Head, West Wheal Seton, Bt. Lawrence, Victoria, and Valentine Amalgamated, Eldorado Gold, and Ohio Companies.

Burrow and Burson.—The report of this week, in another co-BURROW AND BUTSON.—The report of this week, in another co-lumn, is very favourable. An advertisement is published to-day giving notice of change of offices and secretary. The appointment by the shareholders of Mr. Wm. Stevens as managing director, and by the board of directors of Mr. Von Uster, F.G.S., M.E. (the company's consulting mining engineer) as secretary, forms a consolidation of management as well as of expenses which must prove highly beneficial to the company.

GROGWINION.—This company sold, on Monday, a parcel of 40 tons of lead ore, at 14.3s. 6d. per ton, to the Burry Port Smelting Company—being 11s. 6d. per ton higher than the last. Another parcel will very shortly be ready

EAST FOXDALE.—Messrs. Fuller, Horsey, Son, and Co. offered this mine for sale, at the Auction Mart, yesterday, when bids were made up to 4900\(\text{.}\), at which price it was bought in. The property is situated about six miles from Douglas, Isle of Man, and comprises a grant on the Foxdate lode 1\(\text{!}\) mile in length, and contains in addition three other known lead lodes. The lesse has about 2\(\text{!}\) years to run, the rental is 4\(\text{!}\). Per annum, and the royalty 1-12th. The working plant and machinery have been already erected. The property would doubtless repay for energetic working with adequate capital.

The RIO TINTO COMPANY have sold about 30 tons of cake copper and 30 tons of precipitate, netting about 650%. The latter, of the new manufacture, is turning out remarkably well, giving from 70 to 80 per cent. produce, and there is still a very considerable quantity of the old to be worked up.

THORP'S GAWBER HALL COLLIERIES have declared their sixth quarterly dividend (being at the rate of 40 per cent. per annum), at the rate of 1/c per share, out of the profits for the three months ending Dec. 31 last. In addition to the six quarterly dividends a bonus of 25 per cent. was declared up to June 30, 1873. After payment of this dividend the directors have been enabled to carry forward a further additional annum to the reserve fund of last quarter.

BENHAR COAL COMPANY.—The warrants for the second part of the dividend for the year ending Dec. 31 last, and at the rate of 10 per cent. per annum, has been forwarded to the shareholders, and are now payable at the Na-tional Bank of Scotland, Edinburgh, Glasgow, and branches.

ORGANIC CHEMISTRY FOR ARTIZANS.

The greatly increased facilities which a sound knowledge of organic chemistry affords for the successful carrying on of many branche our national industries is now very generally recognised, yet the diffi-culties usually attending the earlier studies of the subject suffice to

The greaty increased facilities winch asound knowledge of organic chemistry affords for the successful carrying on of many branches of our national industries is now very generally recognised, yet the difficulties usually attending the earlier studies of the subject suffice to prevent a large number of even diligent students from acquiring anything approaching a satisfactory acquaintance with it; henceforth, however, these difficulties will be materially lessened, since from Prof. Armstrong's admirable little volume, "just issued as one of the Messrs. Longman's Text Books of Science, so complete an outline of the subject may readily be obtained as will be valuable of itself, and extremely useful for facilitating the profitable reading of the most complete works bearing upon the technology of any particular manufacture. The matter is treated in a thoroughly systematic and scientific manner, yet the style is sufficiently popular for any student or organical scientific manner, yet the style is sufficiently popular for any student or organical scientific manner, yet the style is sufficiently popular for any student or organic scientific manner, yet the style is sufficiently popular for any student or organic scientific manner, and the formular which not only express their composition, but to some extent their nature also. He then proceeds to the consideration of the action of reagents on carbon compounds and of the compounds of carbon with oxygen, sulphur, and nitrogen respectively; the remaining families of carbon compounds are then considered in the order of their relation to the hydrocarbons.

Chemistry being defined as the study of the nature and properties of the various elements, organic chemistry may, says Prof. Armstrong, be generally defined as the chemistry of carbon and itself the subject of the subject of the subject of carbon and introduced the carbon is associated in the category of organic compounds; it was generally held that the interposition of the so-called vital force was absolutely essential to

to him in carrying on his business to the greatest advantage with-out troubling him with more theoretical details than are absolutely necessary to enable him thoroughly to comprehend the facts placed before him. In producing such a book Prof. Armstrong shows not only that he his himself a master of the subject, but that he possesses great facility for imparting that knowledge to others.

* "Introduction to the Study of Organic Chemistry: the Chemistry of Carbo and its Compounds." By HENRY E. ARMSTRONG, Ph.D., F.C.S., Professor Chemistry in the London Institution. London: Longmans, Green, and Co.

	,	I	EA	DO	RE	S.	
							Purchasers.
						0	Weston, Son, and Co.
Feb. 7-	-Rookhope	Valley	20	13	10	6	Shield and Dinning.
9-	-Grogwinio	n	40		3	6	Burry Port Smelting Co
		th					Cookson and Co.
		ev			*3	6	Treffry's Trustees.
13-	-Old Trebui	gett	32			6	ditto
-	 ditto 	*******	15	29		0	ditta
	- ditto		6		10	6	Nevill, Druce, & Co.
_	-Talargoch		30	13	13	6	Walker, Parker, and Co
	 ditto 		30		12	6	ditto
-	-North Hen	dre	35		18	6	A. Eyton.
-	-South Prin	ce Patrick	20	14	11	6	ditto
-	-Prince Pat	rick	25		13	6	. ditto
		e Patrick			5	0	Walker, Parker, and Co
					5		ditto
					10	0	Panther Lead Company
					12		. Weston, Son, and Co.
***	 ditto 		25	14	15	0	. ditto
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		F	Τ. Δ.	OK T		contribution (second	-
Date.	Mines.	Tons c	. q. lh	. Pric	e p.	ton.	Amount, Purchasers,
leb. 6-	Perran Cons	iols 3 15	2 19		-tribur-		
9-	West Godol	phin. 8 16	3 15	£61	()	0	6 566 0 6-Bolitho.
11-	Penhalls	15 2	0.27	61	17	63	935 1 2 - Daubuz,

O N SALE.—MASSIVE CRUSHING MILL, with two pairs of Also, 230 and of the life of the control of t 24 in. rolls, in cost metal frames Also, 250 yard-of 1 by in. diumete: URON WIRE WINDING ROPE. Address, "X. Y. Z.," MINING JOHNAL Office, 26, Fleet street, London

M R. J. S M E R R SWANSEAL CHEMIST

The Mining Market: Prices of Metals, Ores, &c.

METAL MADVET CONNON Fun &

METZ	L MARKET-LONDON, FEB. 8, 1874.
COPPER. & s. d. & s. d. Best selectedp. ton 89 0 0-91 0 0 Tough cake and tile. 88 0 0-90 0 0	IRON. per ton. & s. d. & s. d. Bars Welsh, in London12 0 0- — Do., to arrive
Sheathing & sheets 95 0 0-96 0 0	Nail rods12 5 0
Bolts	,, Staffd. in London12 10 0
	Bars ,, ditto12 10 0-13 0 0
	Hoops,, ditto14 0 0-15 0 0
	Bars ,, at works11 10 0
	Hoops,, ditto13 0 0-14 0 0
	Sheets, single, & plates14 10 0-15 10 0
BRASS. per lb. 10d11d.	Pig No. 1, in Wales 5 0 0-6 10 0
Sheets 10d11d.	Refined metal, ditto 7 0 0-8 0 0
Wire 101/d	Bars, common, ditto10 15 0-11 0 0
Tubes11¼d11½d.	Do., mrch. Tyneor Tees 11 5 0-11 10 0
Yellow metal sheathing 81/d81/d.	Do., railway, in Wales 9 15 0-10 10 0
Sheets 8¼d	Do., Swed. in London.19 0 0-19 5 0 To arrive
SPELTER. per ton.	Pig, No. 1, in Clyde 5 0 0-5 5 0
Foreign on the spot., 25 0 0-25 10 0	Do., f.o.b. Tyne or Tees 4 10 0- 5 10 0
,, to arrive 25 0 0-	Do., Nos.3,4, f.o.b., do
	Railway chairs 5 0 0-5 5 0
ZINC.	
In sheets 31 0 0-32 0 0	Indian Charcoal Pigs,
QUICKSILVER (p. bot.) 19 0 0	in London, p. ton10 0 0-12 0 0
TIN.	
English blocks £110 0 0-111 0 0	Swed., in kegs (rolled) — per ton.
Do., bars (in brls.) 111 0 0-112 0 0	Swed., in kegs (rolled)
Do., refined 113 0 0-114 0 0	Ditto (hammered)20 10 0-21 0 0
Banca 108 0 0-110 0 0	Ditto, in faggots21 15 0
Straits 105 0 0-107 0 0	English, spring23 0 0-25 0 0
TIN-PLATES.* per box.	LEAD. per ton.
IC Charcoal, 1st qua. † £1 17 0- 1 19 0	
IX Do., 1st quality 2 3 0-2 5 0	
IC Do., 2d quality 1 15 0- 1 17 0	
IX Do., 2d quality 2 1 0-2 3 0	
IC Coke 1 9 6-1 11 0	Ditto, red lead25 0 0
IX Ditto 1 15 6- 1 17 0	
Canada plates, p. ton 21 0 0-21 10 0	
Ditto, at works 20 0 0-21 0 0	Spanish
" At the works, 1s, to 1s, 6d, per tor	Spanish
Mama plates 9s non how hale	our tin-plates of similar brand

REMARKS.—A very limited amount of business has been transacted during the past week, at prices somewhat more favourable to the buyers. On account of the paucity of business, sellers of copper, tin, lead, pig-iron, &c., have been compelled to make some slight concessions with a view of bringing buyers into the market, and to some extent these concessions have produced the desired result. At the same time, the demand is not sufficiently great to afford that stability to the market by which prices can be maintained. The spring quarter is, however, drawing near, when orders in anticipation of the opening of the northern ports are usually given out; and, if these orders come forward in the abundance which

may be fairly counted upon, the day cannot be far distant when a healthy reaction may be looked for. Prices in the meantime are not likely to undergo any very material fluctuation.

COPPER.—The market opened very quiet, and on Monday there was no actual business reported in Chili bars which stood nominally at 81l. On Tuesday a telegram was announced from Chili stating charters for the first fortnight in January to be 1700 tons. About 1800 tone of one was disposed of at the Swansee Tickstone of an

Week ending Jan. 7, 1874 Decrease ce Dec. 25, 1873. Total decr

Lead.—During the week the market has been very quiet, and prices have tended slightly downward. Good soft English pig is to be had from 23l, to 23l, 5s.

SPELTER.—Market is quiet, without exhibiting much variation in price, quotations for ordinary Silesian being 25s. to 2l. 10s.

QUICKSILVER continues as before—unimportant transactions having the select 10l exhibits.

QUICKSILVER continues as before—unimportant transactions having taking place at 19t, per bottle.

Tin.—The market which during last week showed some decline, and closed for Straits at about 113t, opened this week at still lower prices, business having been concluded on Monday at 10th to 107th cash, the transless the straight of the process. prices, business having been concluded on Monday at 106f. to 10 ff. cash, also 107f. prompt in April. A small parcel of Australian tin was sold at about 108f. On Tuesday the market showed rather more disposition towards activity, and sales were affected in Straits for cash at 107f., 106f. 10s., and 106f., also 105f. prompt the end of Maren, and at the same price with three months prompt. Australian, 106f. to 107f. On Wednesday a further business was concluded in Straits at 103f. to 107f. east, and 106f. delivery in April and May; Australian sold at 103f. On Thursday business was concluded in Straits for cash at 105f. 108., 106f., 107f., up to 107f. 10s.; English ingots realised 11f. To-day the market is quiet, quotations for Straits being as yesterday—105f. to 106f.

COPPER—(Messrs, Grenfell and Rickards).—Our market is very quiet. Chili bars are at about 81/. 10s. There is a fair demand for export, but trade generally seems lanquid. We hope now the elections are over business will

-						
	improve. The Board of Trade Returns show a falling of compared with last year. We have reason to believe however, an increase will be manifested.	that 1872.	in the	e pre 1873.	sent	month 1874
	EXPORTS-English copper, wrought and upwrought	1882	*****	2229	*** **	1549
	Foreign copper, unwrought	440	******	1172	*****	1111
	Yellow metal	964		845	*****	782
	Total	3286		4246	*****	3143
)	Imports—Copper in ores	618		520		449
	regulus	2802		1628	*****	1411
	Bars, cake, and ingots	4146		1792		3085
,	In pyrites estimated	709		700		DAR

8364 Total. 4719 5883 Tin.—The production of tin is evidently in excess of the consumption, although the latter is increasing. Australian fine tin is freely offering every day here at prices pounds below other foreign tin; the result of this is seen in the increased and large stock of foreign tin now held in London—say, 2336 tons. English smelters have been large sellers of late, the yield of Cornwall up to this time showing no diminution, whilst supplies from Australia continue to pour in. Speculation—except for a fall—is at a standatill, and we fear as far as legitimate supply and demand points, that we have not yet touched the bottom.

Messrs. Vivian, Younger, and Bond.—The West Coast telegram, received on the 10th inst., advised charters for the first fortnight of Janury equal to 1700 tons fine, the price of bars having declined slightly, to \$18.45 per quintal. The market has been extremely dull, and latterly somewhat irregular, and prices have fallen about 22. per ton during the week, Chili bars having sold at some \$1/4\$. down to 79/., and Wallaroo 91/. down to 89/. This decline at present has not produced much disposition on the part of consumers to buy except to cover sales, and the general appearance of the market is unsettled, and discouraging for any immediate prospect of a revival. English tough has sold down to \$8/4\$., and best selected at 90/. while strong sheets can be bought at 90/. for a good assortment, and yellow metal at \$1/4\$. to \$1/4\$. for sheets and sheathing.

TIN.—The course of the market during the week has been continuity downward. Straits sold at 113s. down to 105s. cash, from which lowest point there has been some slight recovery; but the general tone is weak at the close, and 106s. to 107s. the rather nominal quotation. For arrival per steamer, \$5 tons were sold at 102s. 64., also three months' prompt at 105s., but prices for forward have been very irregular. Australian realised 106s, to 104s. English has followed the downward movement, ingot having declined from 115s. to 110s., closing sellers thereat.

Messrs. James and Shakspeare.—The Swansea Ticketing averaged

closing sellers thereat.

Messrs. James and Shakspeare.—The Swansea Ticketing averaged 14s. 9\%d. for 17\%j per cent. produce; by private contract 200 tons each, Chil ore and regulus realised 15s. 6d. and 16s. respectively. Metal has fallen during the week about 2\%close per ton, and except at or near the lowest rates very little business was done. The purchases were almost entirely restricted to Chili bars, the whole of which were taken on eash terms from 81\%close 1.0s. down to 7\%close 1, per ton for good ordinary brands, inclining Lota and Urmeneta. Australian sorts were neglected, and a few transactions only reported down to 88\%close for Burra, 89\%close for Wallaroo. The full Chili telegram is not yet to hand, but a message came on Tuesday last giving the charters for the first-half in January at 1700 tons pure.

Tin.—English has receded 5s. to 6s., and is only in moderate request at the present date. Foreign sorts were comparatively steady until Monday last, on which day holders evinced a strong desire to realise, causing thereby a sudden drop in prices of fully 8s. per cwt.; since that date values have been very irregular, and it is, therefore, almost impossible to give exact quotations. The sales consisted almost entirely of Straits, at figures ranging from 112s. down to 105s. cash; 109s. to 102s. 6d. for arrival per steamer; and 107s. to 105s. for forward delivery; a moderate quantity of Australian selling from 109s. to 104s. cash.

We cannot report upon any improvement this week in the MINING SHARE MARKET, which continues in a dull, depressed state. The settlement of the fortnightly account on Thursday and Friday was very light in comparison with former accounts.

The mines dealt in since our last have been Tankerville, West Tankerville, Old Treburgett, East Lovell, Van Consols, Roman Gravels, South Roman Gravels, Penstruthal, Pennerley, and a few others. Tin shares have been especially flat, and Dolcoath shares have declined to 44, 46; Carn Brea to 50, 55. Cook's Kitchen, 8 to 9, call of 10s. paid; Great Wheal Vor, 1½ to 1½. East Pool, 8 to 9; West Basset, 8 to 8½. West Frances, 10 to 11; at the meeting no call was made; the loss on the quarter's working was 211., charging up four months' costs to Jan. 3, against three months' returns, Wheal Kitty (St. Agnes), 9 to 9½; Wheal Basset, 20 to 22; Wheal Uny, 2½ to 3; Penstruthal Consols, 15s. to 17s. 6d. East Lovell, 10 to 10½; the bunch of tin at skip-shaft has now been opened upon 5 fathoms long, and worth 2 tons of tin per fathom. At Tregonebris the lode at the 30, east of new engine-shaft, is worth 251. per fm.; since the meeting on Dec. 31, 14 tons of tin have been raised. Van, 30 to 35, the sale of lead for the month is 450 tons at 144, 11s. 7d, per ton = 65611. 5s. West Seton, 20 to 22; at the meeting the accounts showed a profit on three months' working of 2771., and a credit balance of 1007. Besides this, 9511. had been realised for copper not credited in the accounts. The returns for the ensuing quarter are estimated at less than the last.

At the Treleigh Wood meeting the accounts charging up the costs

credit balance of 100/. Besides this, 951/. had been realised for copper not credited in the accounts. The returns for the ensuing quarter are estimated at less than the last.

At the Treleigh Wood meeting the accounts charging up the costs to Dec. 19, and crediting four months' tin, show a balance of liabilities over assets of 888/. 13s. 7d. The tin credited realised 2229/. 12s. 11d. The various points in operation at the mine are valued in the aggregate at 171/. per fathom; and an important improvement has taken place in the 44, west of Lynes' shaft, where the lode is worth 40/. per fathom, and this the agents consider a continuation of the good run of tin ground worked from the adit down to within a few feet of the 34 by the former workers.

Old Treburgett, ½ to 1½; the accounts circulated preparatory to the meeting on Tuesday next show a profit on sales from July 1 last to Jan. 3, of 1581/. 10s. 7d., out of which it is proposed to pay a dividend at the rate of 17½ per cent. on the preference and 7½ per cent. on the ordinary shares. It is generally not considered right or proper to pay dividends in limited companies until all the cost incurred in bringing a mine into a profitable state has been cleared off, and two modes of procedure are open to the shareholders, either to "write off," or, rather, to "capitalise" at once such outlay, and then to pay dividends from the time profits commenced; or to capitalise all future profits until the amount of such expenditure shall have been recouped, for the benefit of those who may be shareholders some years hence. Under these circumstances the directors of Old Treburgett have adopted the wise and proper course of "capitalising" at once all costs incurred in bringing it to its present profitable state, and to divide present and accruing profits amongst the shareholders. The accounts now circulated show available assets to the out Treodisect have adopted the Wiss and proper course of "capitalising" at once all costs incurred in bringing it to its present profitable state, and to divide present and accruing profits amongst the shareholders. The accounts now circulated show available assets to the amount of 4327l. 17s., out of which there are bills payable, and sundry creditors, 1383l. 15s. 4d., leaving a balance of 2944l. 1s. 1d., and from this amount the dividend will be deducted. The costs are charged to Dec. 3, and against January costs the ores sold this week (53 tons) realised 1771l., and a profit of 600l. on the month. The reserves are valued at 15,000l. The agents report that the 70 south has been a continuous course of ore for 45 fms. long, varying in value from 9l. to its present 14l. per fathom. A winze sinking below this level is worth 10l. per fathom, and the 80 has come into ore worth 8l, per fathom. The agents further state that the mine has considerably improved, and looking at the different levels they see no reason to doubt why they should not do much better in the ensuing twelve months than they have in the past, Bedford United, 17s. 6d. to 22s. 6d.; Great Laxey, 12½ to 13½; Marke Valley, 15s. to 20s.

Basset and Grylls; at the meeting here the costs for five months were 4277l. credits, including tin sold, 3128l.; old materials, 486l.= 3614l., showing a debit balance of 659l., and a call of 7s. 6d. per share was made. The agents reported they were now able very partly to meet current costs, not withstanding the high veries of means.

share was made. The agents reported they were now able very nearly to meet current costs, notwithstanding the high price of materials and the low price of tin. Spearne Consols showed a loss on six months' working of 400%, and a call of 2% per share was made. A promising lode has been cut in the eastern part of the mine, and upon this much of the future will depend. Pennerley, 1½ to 2. Tankervilles have been in request up to 9, and leave off 8½ to 9. West Tankerville, 2 to 2½. Roman Gravels, 16 to 16½. South Roman Gravels, 15s. to 20s.; in the 20 west the lode is widening, now 4ft., and improving as it goes on. In the cross-cut towards the Roman Gravels lode the ground is interspersed with strings of lime-spar, containing lead, and the agent feels sanguine that the lode cannot be far off. Prince of Wales, 3s. to 5s. South Carn Brea, 2¾ to 3; South Condurrow, 4 to 4½; Van Consols, 2¾ to 3; West Chiverton, 5¾ to 6½; West Esgair Lle, 2¾ to 3; Glan Severn, 1 to 1½; the engine-shaft is being rapidly sunk, and a level will be driven towards the ore ground discovered in the adit above. The lode is that of Pant Mawr. Wheal Crebor, 4 to 4½; Wheal Argus, 1 to 1½; are was made. The agents reported they w towards the ore ground discovered in the adit above. The lode is that of Pant Mawr. Wheal Crebor, 4 to 4\frac{1}{2}; Wheal Argus, 1 to 1\frac{1}{2}; Wheal Peevor, 2\frac{1}{2} to 2\frac{3}{2}; Wheal Seton, 17\frac{1}{2} to 20. Parys Mountain, \frac{1}{2} to \frac{1}{2}: the stopes in the 80 are looking better. Providence Mines, 7 to 8; Rookhope Valley, 1 to 1\frac{1}{2}; Tyllwyd, 1\frac{3}{2} to 1\frac{1}{2}; West Maria and Fortescue, \frac{1}{2} to \frac{3}{2}; Wheal Grenville, 5\frac{1}{2} to 6\frac{3}{2}; East Balleswidden, 1\frac{1}{2} to 2; a dividend at the rate of 8 per cent. per annum has been declared.

Botallack, 60 to 65; this mine has been looking poor of late, but

there is a report that a good lode has been cut, worth 40l, to 50l.

June, 1873, shows an available balance (after deducting the 21st and fathom, and it may materially improve the prospects of this fine old historical mine, which during the last 30 years has had many ups and downs in the market. At one time, at least 30 years has had many ups and downs in the market. At one time, at least 30 years has had many ups and downs in the market. At one time, at least 30 years has had many ups and downs in the market. At one time, at least 30 years has had many ups and downs in the market. At one time, at least 30 years has had many ups and downs in the market. At one time, at least 30 years has had many ups and downs in the market. At one time, at least 30 years has had many ups and downs in the market. At one time, at least 30 years has had many ups and downs in the market. At one time, at least 30 years has had a dividend at the rate of 1s. 6d, per share, and the usual addition to the transverse of the sale was poport in the shares up to 1000l, each!

It is further book of the years, and the usual addition to the state time to 1872 the mine has paid in dividends to the sate that time to 1873 the least of the reserve fund, which is now increased to 900l. It is further stated that the loss sustained in the first six months of the years, commencing from April 1 next. The present stated that the loss sustained in the first six months of the years, commencing from April 1 next. The present stated that the loss sustained in the first six months of the years, commencing from April 1 next. The present stated that the loss sustained in the first six months of the years, commencing from April 1 next. The present stated that the loss sustained in the first six months of the years, commencing from April 1 next. The present stated that the loss sustained in the first six months of the years, commencing from April 1 next. The present stated that the loss sustained in the first six months of the years, commencing from April 1 next And from that time to 1812 the films has paid in dividends to the shareholders the sum of 78,550%. Such discoveries, always possible, always hoped for, are the great encouragements to miners in dull and depressed times like the present. No one can tell how soon a stroke of the pick in any mine may reveal riches that will neutralise the effects of the present low and exceptional price of metals, and were it not so the prospects of mining would be dull indeed. There are mines now on the market at mere nominal values with better prospects for good discoveries than many which two years ago were rushed after at fabulous premiums; and all that would seem to be required on the part of investors is a judicious and proper selection. But the general public seldom buy when things are low and worth buying. A very few years ago tin was down to 40% per ton, and it was generally considered that tin mining in Cornwall was at an end. At that time mines became more depressed than they are now with tin at 70% (we speak of the price paid to the miner). Tincroft shares, we think, were sold at 3% each, Carn Brea shares under 10%, and many others at equally low rates. But in a very short time tin rose to 90% and 100% to the miner; Tincroft shares advanced to 70%, and Carn Brea shares to 150%, both paying large dividends. And although we may not be sanguine enough to large dividends. And although we may not be sanguine enough to expect such a tremendous rise again, we may fairly hope to see the present depression pass away ere long. For experience has taught us all that so surely as manias are succeeded by panics, so are panics

us all that so surely as manias are succeeded by panics, so are panics succeeded by sudden reactions.

Among Foreign Mines, which, by the way, have been among the chief cause of the present depression, Eberhardt and Aurora are quoted 3½ to 4½; Emma, 3 to 3½; Flagstaff, 2½ to 2½; Last Channee, 17s. 6d. to 22s. 6d.; Birdseye, 3 to 3½; Chontales, 17s. to 19s.; Tecona, 15s. to 17s. 6d.; Sweetland Creek, 4½ to 4½. Thornhill Reef, 1½ to 2; advices by wire as to the crushing are daily expected. The machinery, we are informed, is capable of treating 300 tons of stone per week, and previous crushings gave a profit of 2l. per ton. Richmond, 5½ to 6; Sierra Buttes, 2 to 2½; Cape Copper, 28 to 30; Fortuna, 5½ to 6.

Among Collieries, Cardiff and Swansea shares are ½ to § prem.

Collieries, Cardiff and Swansea shares are 1 to 3 prem. Among Collieries, Cardiff and Swansea shares are $\frac{1}{3}$ to $\frac{3}{5}$ prem. Newport Abercairn (3*L*, paid), $2\frac{1}{5}$ to 3; this company is expected to strike a good seam of coal in a few weeks. West Mostyn, 12 per cent. preference (2*L*, paid), $2\frac{1}{5}$ to $2\frac{3}{5}$.

The market for Mine Shares on the Stock Exchange during the week has been moderately active. The lower price of tin has adversely affected shares in mines producing that metal; but lead mines, on the contrary, have remained steady. American descriptions have not been in much request, although in Emma shares a considerable amount of business has been transacted. Hydraulic mines have been in demand at quoted prices.

considerable amount of business has been transacted. Hydraulic mines have been in demand at quoted prices.

The metal market has been dull, and quotations are lower. Copper comparatively inactive at irregular quotations, and the reduced prices have not yet induced consumers to come forward as buyers. Tin has ruled lower, and although some recovery took place from the worst point the tone is weak. Tin plates are in steady demand. Lead at quotations. Spelter inanimate, but without quotable

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Richmond Consolidated, 53 to 6. Cable received: "Week's run, \$18,000, from one furnace; charcoal short." The bad state of the roads has, it appears, prevented the delivery of the required supply of charcoal. All the mines in the vicinity are, it appears, similarly inconvenienced. When the usual February frosts set in, access from mine to Palisade station will probably be open, and a large stock of accumulated bullion forwarded. The immense importance to the future working of the Eureka mines becomes more apparent as the great increase in their rate of production multiplies the evils of the old roads.

Emma shares declined to 24, 31 upon the issue of the contraction.

mine to Palisade station with processing one open, and a sarge stock of secundiated bullion forwarded. The immense importance to the fature working of the Eureka mines becomes more apparent as the great increase in their rate of production multiplies the evils of the old roads.

Emma shares declined to 2½, 3½ upon the issue of the official circular (referred to below), and closed 3 to 3½; private cabled advices, received yesterday, announce a further sale of "M" (rodinary) ore, 225 tons, realising \$51,000, and says, "the mine will astonish every-body." Flagstaff, 2½ to 3; Last Chance, 1 to 1½; Tecoma, 2 to ½. Uzah, 1 to 1½; the directors have issued a notice for a general meeting to make a call. Now that the dressing machinery has turned out a complete success, no doubt the call will be promptly responded to. It is possible, however, that the frost will delay regular dressing for a couple of months.

Eberhart and Auron, 3½ to 4½; at North Aurora the eastern tamed on the Central drift has been completed, and the end of the drift presents good prospects of coming upon a body of ore; Ridsdale drift is in good ore; the new mill is running well, and the amount of one hauled is increasing, but the roads are bad. The reports and asc units me to be forwarded to the shareholders as soon as possible. New lacific, 3½ to 6; Mr. Pringle writes that he is pushing on with the work, and expects to resume operations in the 400 feet level before the end of January.

Colorado Terrible, 3½ to 4; the agent reports, Jan. 19, "The appearance of the lower workings of the mine has much improved the last few days. In the sixth level, west drift, we have a good vein of or: at a Brittle silver, and will when assayed return high figures." Sierra Buttes, 2 to 2½; the receipts from Sierra Buttes for January were \$37,274, and the cost of mining and milling \$15,638; the Plumas Euroka receipts for the same period were \$18,748, and cost of mining and milling \$14,650. The prospects are reported better for next month. It may be of interest. During

large buying orders at the present low quotations, 3 to 3\frac{1}{2}, could not be effected this afternoon; shares very scarce. Roman Gravels, 16\frac{1}{2} to 16\frac{2}{3}; Tankerville, 8\frac{3}{2} to 9\frac{1}{2}.

Derwent shares have changed hands at 3 to 3\frac{1}{2}; the enterprise has been most favourably received, more especially by those familiar with the history and reputation of these famed mines, which have yielded ore to the value of 1,000,000. The judicious application of new capital is confidently expected to ensure great and permanently successful results. Bog, \frac{3}{2} to \frac{5}{2}; the sinking of the engine-shaft is rapidly progressing, and in another month the agents expect to be deep enough to commence another level. The lode in

engine-shaft is rapidly progressing, and in another month the agents expect to be deep enough to commence another level. The lode in the shaft holds good, and a large body of ore will be laid open when the next level is reached. Pennerley, 1½ to 2; from the report in another column it will be seen that the mine is looking much better throughout. Perkins Beach, ½ to ½; from the report in another column it will be seen that the mine is looking much better throughout. Perkins Beach, ½ to ½; the agent reports an improvement here, and speaks encouragingly of the immediate future. Subjoined are the closing quotations:—

Bog, ¾ to ½; Cars Brea, 50 to 55; Devon Great Consols, 1½ to 1½ prem.; East Van, 1½ to 1½; East Lovell, 10 to 10½; Elset Cardon, 1 to 1½; Great Laxey, 12 to 12½; Great Meal Vor, 1½ to 2; Perkins Beach, 8s. to 8s.; Pennerley, 1½ to 2; Roman Gravels, 18½ to 16½; Higston Down, 1½ to 1½; Marke Valley, 15s. to 20s.; Tincroft, 4 to 6; Tankerville, ½ to 9½; Van, 34 to 35; Van Consols, 3 to 3½; West Chiverton, 5½ to 6½; Wheal Grenville, 5 to 5½; West Tankerville, 2 to 2½; Colorado Terrible, 3½ to 3½; Cadar Creek, 2 to 2½; Colorado Terrible, 3½ to 3½; Cadar Creek, 2 to 2½; Colorado Terrible, 3½ to 3½; Cadar Creek, 2 to 2½; Flagstaff, 2½ to 3; Frontino, 3s. to 5s.; Last Chance, 1 to 1½; Malpaso, ½ to 3; Elsers Buttes, 2 to 2½; Tecoma, ¾ to ½; Riehmond, 5¾ to 6; San Pedro, 1½ to 2; Sierra Buttes, 2 to 2½; Tecoma, ¾ to ½; Lith, 1 to 1½.

EMMA.—The official circular which appears in another column

EMMA.—The official circular which appears in another column has been received with disfavour and surprise. The Chairman returned from New York on Jan. 25, and Feb. 9 was "the earliest opportunity" for the board and committee of conference "to lay before the shareholders the present position and prospects of the company." Comment is freely made upon the apparently irreconcilable statements which the circular contains; while the mine is represented to be in a "very discouraging position," and telegrams state "that the bottom of the mine is looking very bad," the Illinois Tunnel Company have agreed to "a considerable extension of time for the payment of its claim, and to accept promissory notes payable at intervals between April, 1874, and January, 1875;" and Mr. Park is also content "to wait for the settlement of his own claim with the above asymptotic layer been made and the mine to in a until the above payments have been made and the mine is in a better position." Furthermore, it is generally remarked that, although some considerable time has been allowed to elapse since the though some considerable time has been allowed to elapse since the directors communicated with the shareholders, even now the manager's reports, as also "the latest telegrams," are withheld; and, according to the statement of a shareholder, whose letter we publish elsewhere, the secretary "refused to allow him to see the latest telegram," and the Chairman "refused him an inspecting order for his agent to go underground on his behalf," although (the writer says) he has "more shares in his name than the board and committee of conference put together." It cannot be regarded as disrespectful to urge that, judging by past experience, the shareholders are at least as able as the directors to form an opinion upon the actual position of the mine—under any circumstances, they certainly should be allowed the opportunity. It is remembered that in the earlier history of the company, when monthly dividends were being paid, the outside rumour that a serious "cave in" had taken place was officially denied, but subsequently proved to, be strictly true; and it is now thought by no means improbable that notwithstanding the official circular, the mine is opening out in a had taken place was officially denied, but subsequently proved to, be strictly true; and it is now thought by no means improbable that notwithstanding the official circular, the mine is opening out in a much more encouraging manner than indicated. Regret is expressed that, although Mr. Attwood travelled from Utah to meet the Chairman in New York, not one word is said about the result of the interview. The latest private advices, dated Salt Lake City, Jan. 21, state that the "Emma is opening up the best mine in Utah; there is a large body of the selected ore assaying over 700 ozs. of silver per ton; the predominant quantity, however, yields 320 ozs. of silver per ton, and of this there is a large quantity developed." "If," says the writer, "the English will not believe these facts it is no fault of the mine, for, say what you will, it is the queen mine of Utah; it rests now more with the directors for this company to be what it should than anything that can be done here. Attwood has done his part, and done it nobly. Let the directors do their part, and they will do only what every stockholder demands." Some hand specimens from the deepest workings of the new "development" (as shown by the certificate of an assay forwarded to us), yielded from 5400 to 5500 ozs. of silver per ton; and the writer, under date Jan. 22, says—"that every foot of 'development' now being made in the mine adds value to the ore in sight." being made in the mine adds value to the ore in sight.'

Several important meetings of Colliery and Iron Companies will be shortly due, and we believe in the majority of instances the directors will present balance-sheets such as will be highly satisfactory to the proprietary. Prices for iron are quoted lower at Glasgow and Middlesborough, while common pig-iron is reported to be 3s. 6d. lower at Wolverhampton.

Glasgow and Middlesborough, while common pig-iron is reported to be 3s. 6d. lower at Wolverhampton.

The change in the weather has arrested the headlong fall in coals, and caused a rise of 2s. in Thames-street, and we are not aware of any reduction elsewhere. A great demand still continues for hematite ore from West Cumberland and Cornwall. Considerable quantities of ore are being exported from Antrim, in the North of Ireland. Bowling Iron, 75 to 80; Marbella Iron, 4½ to 4½; Monkland, 7½ to 8; United Bituminous, 1 to 1½. The ordinary meeting of the Rhymney Company is called for the 25th inst. A good enquiry has existed for Littledean Colliery; shares, however, are seldom on the market; they close 5 to 6. Cardiff and Swansea, 4 to 4½; it is rumoured that since the last meeting the current earnings have increased to a most surprising and gratifying extent; shares are well worth buying at the present moment. The shares of Sharlston Collieries have declined; the meeting will be held on the 17th inst. Llay Hall, 9½ to 10½; Bath Colliery, 4 to 4½. Brynlloi quoted nominally at par; there is no market for the shares. Newport Abercam, 2¾ to 3; Clee Hill, 15s. 3d. to 17s. 6d. The directors of the Mwyndy Iron Ore have issued their report and balance-sheet in anticipation of the meeting to be held on the 18th inst.; there has since been a good enquiry for shares at advanced prices, and they close rather firm at 1½ to 1½; the manager states that the quantity of ore raised amounted to 52,816 tons, showing an increase of 3156 tons over the previous year. The receipts from the sale of ore have increased by more than 10,000l, while the extra costs compared with the previous year only amount to 3275l. odd. Altogether they have made a profit of over 18,000l, being the largest amount ever realised in any one year. An interim dividend of 1s. 6d. per share was paid on July 18 last, and at the forthcoming meeting the directors will re-December was 4869 oits; the loss upon the month was 946.; the produce for the corresponding month of the previous year was 6595 oits. Rossa Grande, \$\frac{1}{8}\$ to \$\frac{1}{8}\$ dis.; the produce for December amounts to 3610 oits, and the cost to 1225L, leaving a profit of 308L; from Bibba, appear to have been very advantageous to this commend a further dividend of 4s. per share. The Carlist disturbation of the previous year was 6595 on July 18 last, and at the forthcoming meeting the directors will recommend a further dividend of 4s. per share. The Carlist disturbation of the preventing ore being shipped from Bibboa, appear to have been very advantageous to this company. At the Hockley Hall meeting the report was adopted, and a dividend at the rate of 16 per cent. declared, payable on and after the 16th inst. Six dividends in succession have now been paid of 16 per cent. Power was given to the directors to borrow 60,000/.

Thursday states that the profit and loss account for the year ending the produce of the previous year was 6595 on July 18 last, and at the forthcoming meeting the directors will recommend a further dividend of 4s. per share. The Carlist disturbation of the year ending the produce of the directors will recommend a further dividend of 4s. per share was paid of 10 July 18 last, and at the forthcoming meeting the directors will recommend a further dividend of 4s. per share was paid to LOSED on TUESDAY next, the 17th inst., for COUNTRY APPLICATIONS.

By or let.

London, February 12, 1874.

The Dok Down of the produce for produce for December amounts and the forthcoming meeting the directors will recommend a further dividend of 4s. per share will be commend a further dividend of 4s. per share. The Carlist disturbation of the Spain, through preventing ore being shipped from Biboa, appear to have been very advantageous to this commend a further dividend of 4s. per share will be commend a further dividend of 4s. per share will be commend a further dividend of 4s. per share will be commend a further

no sale on March 3.

The subscription lists for the issue of 400,000%, share capital of the Tasmanian Main Line Railway Company will be closed on Tuesday next for London, and on Wednesday for the country. The price is 1% to 1% prem.

The preference shares of the Wayne's Merthyr Steam Coal and Iron Works are % to 1 prem. The debenture bonds of the Honduras Railway Conversion Company are % to 1 prem.

The Teigm Valley Railway, which passes close to the Frank Mills Mine, has complied with the standing orders of the House of Commons, and there is every chance of its being early completed.

ORES, &c.

I BUY at the highest prices:—
LEAD ORES.—LEAD SILVER ORES.—SILVER-LEAD ORES. SILVER-LEAD.—HARD LEAD.—ANTIMONIAL LEAD.
GOLD AND SILVER ORES.

ZINC AND LEAD ORES MIXED TOGETHER. Particulars by letter.

ARMAND FALLIZE, Ingénieur, à Llége (Belglum)

CAPPER PASS AND SON, BRISTOL,

ARE PURCHASERS OF
ANTIMONIAL LEAD, HARD LEAD, LEAD MATTE, LEAD SLAGS,
SULPHATE OF LEAD, LEAD ASHES, COPPER SLAGS, COPPER REGULUS, TIN ASHES, ZINC ASHES, SPELTER DROSS, HARD SPELTER
MYEND WE'RE DROSS. PERFUSE. and MIXED METALS, DROSS or REFUSE containing COPPER, LEAD TIN, or ANTIMONY.

Mr. JOHN HENRY POOLE.

MINERAL AGENT LIMPIAS, PROV. SANTANDER, SPAIN.

FOR AMERICAN COMPANIES. M. R. F. CAZIN, MINING AND CIVIL ENGINEER, Constructor of the Mineral Dressing Works at Rosa Clare, Hardin Co., Ills., and at Frumet, Mo.,

PATENTEE OF CAZIN'S CONTINUOUS ORE-PLUNGER JIG (ORM SEPARATOR.
MANUFACTURER OF ORE-SEPARATING MACHINERY.

Makes Plans and Contracts for Ore Concentration and Smelting Works, guarantee to work certain quantities at less primitive and running expenses, with better proportionate yield, than any offered on the North American Continent. GENERAL AGENCY FOB THE SALE OF AMERICAN FLUOR-SPAR. Expertising, Surveying, and Reporting concerning Mines and Mineral Lauds. (Compare this Journal, Nos. 1932 and 1945.)

Direct letters to—

GOLCONDA, POPE CO., ILL., UNITED STATES, AMERICA

EIGHT PER CENT. DEBENTURES OF 210 EACH.

IE GWENDRAETH VALLEY COLLIERY COMPANY (LIMITED), CARMARTHENSHIRE, announce that the DEBENTURES ed for ARE NOW READY for delivery, with the Ten Half-yearly Coupons hed, and are to be obtained at the offices of the company in exchange for the most recovery reconstruction.

bankers' receipts.

THERE REMAIN for disposal about one hundred of these Debentures, which are secured as a FIRST CHARGE upon the whole of the valuable undertaking, including both the property and the profits, and are repayable within five years from date of issue, with option to convert them into shares of the company of equal amount within two years.

These Debentures form a certain and profitable mode of investment.

Application forms, with prospectuses, are to be obtained from the Secretary of the company, at the offices, 3, Lombard-court, Gracechurch street, E.C.

DEBENTURES AT TEN PER CENT.

THE MAUGHOLD-HEAD MINING COMPANY
(LIMIFED).

The Directors of this company are DESIROUS of RAISING the sum of £8000 on DEBENTURES for any even sum, and bearing interest at 10 per cent. per years. These Debentures will form a first charge both for principal and interest on the company's property. These mines have been regularly raising and shipping cor of the finest quality at the rate of 300 tons per month since the commencement of operations in April, 1873, and, by the erection of the necessary machinery, which will be effected immediately on the completion of the subscription for these debentures, the production can be increased to 1500 tons per month.

Forms of application or debentures (no payment for which will be required, unless the whole of the £3000 be subscribed for) may be had on application to the Secretary, at the registered offices of the company, 30, John street, Bedford-row, London, W.C.

BURROW AND BUTSON MINING COMPANY
Notice is hereby given, that the OFFICES OF THIS COMPANY have been
REMOVED to 10, JOHN STREET, ADELPHI, W.C., and that Mr. HENRY
VON USTER, F.G.S. (the company's consulting mining engineer), has been
APPOINTED the SECRETARY of this company.
By order of the Board of Directors,
London, 9th February, 1874.

J. W. WILLIAMSON, Chairman.

MR. T. L. COTTINGHAM OFFERS TO CAPITALISTS:—
ONE SILVER-LEAD SETT, proved very rich,
ONE LEAD ditto.
ONE IRON ditto.
And a PROPRIETOR'S INTEREST in a RICH GOLD SETT.
FOR SALE—A CAPITAL PERCUSSION TABLE, in first rate condition.
Mold, Dec. 22, 1873.

A R D E N A N D S O N
MINING ENGINEERS AND GEOLOGISTS,
430, WALNUT STREET, PHILADELPHIA, U.S.A.

MR. J. HODGE, having had thirty-five years' PRACTICAL MINING, offers his ADVICE to CAPITALISTS, INTENDING PURCHASERS, or SELLERS.

16, ALBERT ROAD, PLYMOUTH.

Prices and particulars on application. Mines inspected, and confidential reports and surveys made. MORTGAGES ARRANGED ON COLLIERIES, WORKS, &c., in connection with PERSONAL SECURITY for a TERM OF YEARS. Principals or their solicitors may address * H. A. C.," care of Henry Greenwood, Advertising Agent, Liverpool.

AUSTRALIAN COLONIES—TASMANIA.
UNDER CONTRACT WITH THE GOVERNMENT OF TASMANIA TASMANIAN MAIN LINE RAILWAY COMPANY (LIMITED).

Subscription for £400,000 Share Capital, In 4000 Provisional Certificates of 10 shares of 4.10 ca.h. (Equal to £100 share capital each certificate.)

Notice is hereby given, that the SUBSCRIPTION LISTS for the aim e will be CLOSED on TUESDAY next, the 17th inst., for LONDON, and on WEDNISDAY next, the 18th inst., for COUNTRY APPLICATIONS.

By or ie:

London, February 12, 1874.

Motices to Correspondents.

. Much inconvenience having arisen in consequence of several of the Numduring the past year being out of print, we recommend that the Journal she be filed on receipt; it then forms an accumulating useful work of reference.

GOLD MINING.—In Musprate's book on "Chemistry," Vol. II., p. 279, there is a diagram of Smith's Portable Gold Amalgamator. Could some reader give meany information as to where those machines may be obtained? If so, I shall feel much obliged.—W. P.: Dolgelly.

information as to where those machines may be obtained? If so, I shall feel much obliged.—W. P.: Dolgelly.

Warming Railway Carriages.—The last few days must have convinced most travellers of the desirability of warming railway carriages, yet I think few would, without more umple details, be disposed to ask for the adoption of any system of warming involving the use of charcoal, the fumes from which are known to be not only unwholesome but absolutely deadly. The asphyxiation of travellers on "the leading German railways" may be permissible, as the close unventilated rooms characteristic of the country may have prepared them for the process, but in this country, where we are accustomed to open fires and fresh air, I doubt whether the Kiesling and Berghausen asphyxiator would be fully appreciated. All that is wanted for facilitating the healthful warming of railway carriages is a good and quickly joined pipe union, so that tubing running through every carriage and every compartment could readily be joined when the carriages are coupled. The exhaust steam from the locomotive, which is now wasted in the air, could be passed through this tabing, which would act as a surface condenser, and at the same time warm the longest train completely.—Athem, Newcattle.

BOUTH PRINCE PATRICK.—Will the officials cause to be inserted in the Journal, as aforetime, the weekly reports of South Prince Patrick Mine?—Lead Ore.

BINGLETON AND PORT STEPHENS RALLWAY.—A dispute having arisen between the Othairman and Mr. Prance at the Australian Agricultural Company's meeting, on Tureday, as to whether there is a range of mountains between the places named, I should be glad if some of your correspondents acquainted with the district would state what are the natural obstacles to the construction of a line between the two places, and whether it is or is not true that, with the exception of the rails and railway iron, everything for the making of the line can be had on the spot? What is the distance in miles, and what is the height of the high

PEAT FUEL.—"T. W. F."—The best machine for converting peat into good fuel is that manufactured by Mesers. Clayton, Son, and Howland, of Harrow road, Pad dington, where we presume a machine could be seen.

dington, where we presume a machine could be seen.

GREAT WEST OHIVEKTON.—The liquidation of this company is complete, and the mines and materials have been sold to pay the merchants' claims. This company came to grief chiefly from want of sufficient financial support by the shareholders. The mine, now West Great Chiverton, has been purchased by pather who have appointed Mr. Von Uster (the consulting mining engineer of the adjoining Burrow and Butson Mines) general manager, who would, no doubt, answer any enquiries addressed to him at The Green, Hampstead. I am assured that the shareholders in the late Great West Chiverton will be allowed a preferential sillotment of shares when a new public company is formed. The present operations promise good results.—An ORIGINAL SHAREHOLDER.

ASALTING METALS.—CT. W. F. "The best work on assaying is "Mitchell's Manual," edited by Mr. Crookes, and published by the Messrs. Longman. The price is about 1/. 11s. 5d.

RIGHMOND.—We are requested to state that if "A Shareholder" will send his name

about 11. 11s. 5d.

RICHMOND.—We are requested to state that if "A Shareholder" will send his name to us for publication, that his being connected with the company can be verified, the statements contained in his letter published in last week's Journal shall be fully answered. The directors cannot reply to anonymous writers.

Recured,—"F.H."—"H. B."—"Scrutator" (Tecoma)—"W. C."—"J. S. P." (San Francisco)—"J. R." (Nevada)—"J. T. B." (Utah)—"C. W."—"Shareholder" (Last Chance)—"H. B."—"A. R."—"P."—"C. J."

* The TITLE-PAGE and INDEX to VOLUME XLIII., for the year 1873, was published in the Supplement to the Journal of Jan. 24.

THE MINING JOURNAL.

Bailway and Commercial Gazette.

LONDON, FEBRUARY 14, 1874.

OUR RAILWAY IRON EXPORTS.

The new year has opened rather gloomily as regards our exports of railway iron, and yet matters may be said to have moved on rather better than could at one time have been anticipated. The of railway iron, and yet matters may be said to have moved on rather better than could at one time have been anticipated. The Russian demand has, of course, nearly ceased for a time, now that we are in the depth of winter; and the efforts which the CZAR and his Ministers are making to stimulate the production of iron in Russia may possibly not be altogether without effect, even when the Baltic is again open for the reception of foreign railway material. We are looking, however, when the spring has well advanced, for some revival in our export of rails and accessories to Russia, although it is doubtful whether 1874 will prove such a satisfactory year in this particular as 1873. It is noticeable that a rather considerable movement of our railway iron took place in January to Belgium, our shipments in that direction having been 3259 tons last month, while in January, 1873, they did not exceed 1177 tons, and in January, 1872, 674 tons. Italy, again, took 3699 tons of our railway iron in January, while in January, 1873, the Italian consumption only amounted to 2954 tons, and in January, 1872, to 177 tons. We also sent 4321 tons of railway iron to Egypt in January, while our exports to the land of the PitaRoAlis in January, 1873, were 1200 tons, and in January, 1872, 1901 tons. When we come to examine our exports to the United States we find an extraordinary, or, at any rate, a very remarkable, falling of railway iron to the United States in January were not carried beyond 7444 tons, while in January, 1873, the Great Republic took 27,838 tons, and in January, 1872, 55,299 tons.

The accelerated declension indicated in the American demand by last month's figures is attributable, of course, to the chilling effect produced by high prices, and also to the partial collapse of American

To British America ... British India ... 1438 6105

We believe that this colonial demand is destined to grow very mathe contains a contain the colonial tentant is destined to grow very interially in importance. Canada has been suffering recently from the effects of the American panic, but the Dominion is now reviving, and the Canadian demand for our rails will revive also. The Grand Trunk of Canada—to say nothing of the Great Western of Canada, the Northern of Canada, and the Midland of Canada—must prove a valuable customer for steel rails in 1874; and the demand for rail-way facilities in Canada, we strong any unmixtuely lathy way any way facilities in Canada is so strong and unmistakeable that we can way members in canada is so strong and unmistakeene that we can hardly suppose that the work of extension will not be continued with more or less energy. With regard to India, the long-discussed State lines may be said to be at last making some progress, hence the revival noticed in the Indian demand for our rails. The Wurdha Valley (State) Railway has been opened to Hinghunghat. This

course of erection, or in actual operation in the Berars and the central provinces. Upon another State line from Agra to Ajmere the laying of the rails is stated to have been advancing of late at the rate of three-quarters of a mile per diem. Space fails in which to treat in detail of railway progress and railway prospects in Australia, but there can be no doubt that the locomotive is destined to achieve new triumphs in our vast Antipodeen settlement. new triumphs in our vast Antipodean settlements.

THE ECONOMICAL USE OF COAL ON RAILWAYS.

Economy in the use of coal is in its relation to the great railway systems of this country a matter of the highest importance, and the price now reached by fuel has rendered the serious consideration of the question a matter almost of necessity. Two years ago, when it was less urgent than at present, the directors of the Lancashire and Yorkshire Railway, with a view of giving practical assistance to the thorough investigation of the possibility of effecting the desired end, placed at the disposal of the Institution of Mechanical Engineers one of their engines, for the purpose of testing an apparatus invented. placed at the disposal of the Institution of Mechanical Engineers one of their engines, for the purpose of testing an apparatus invented by Mr. G. Warsop, and as the result of those experiments, which have shown a saving in fuel of from 12½ to 15 per cent., the appliance is now being adopted on their line. Two engines have already been fitted up, a third, named the "Andus," is just completed, and is at present exhibiting at the Miles Platting Works of the company, and three others are undergoing the necessary alterations. A small model of the apparatus is also being shown at the Peel Park Exhibition, and a brief description of the invention may be interesting. The Aërosteam engine, that being the name given to the invention, is constructed in such a manner as to promote the more rapid and easy generation of steam by the introduction of heated air directly into the mass of water within the boiler.

The method by which this is effected is as follows:—An air-pump

generation of steam by the introduction of heated air directly into the mass of water within the boiler.

The method by which this is effected is as follows:—An air-pump fixed on either side of and worked by the engine forces a current of ordinary atmospheric air through a coil of heating pipes placed in the smoke-box; the air thus flowing through the coil is, by the waste heat of the boiler, raised to a temperature of about 600° Fahr. A long perforated tube, extending the whole length of the bottom of the boiler admits this heated air into the water, the effect being, that not only is some portion of the water converted into steam by direct contact with the heated air, but the whole mass is instantly stirred up and aerated. A small percentage of the heated air also joins the steam on its passage to the cylinder, and, by retarding condensation, adds to the energy of the steam, and consequently increases the working power of the engine. Thus, in addition to a saving of fuel to the extent already indicated, a considerable gain in work is effected, representing, according to tests, two additional wagons in a full train of 24. In addition to these advantages the action of the heated air prevents a permanent settlement of incrustation on the boiler, fire-box, or tubes, obviates priming, and diminishes the liability to explosion. The requisite pressure of air can be obtained almost instantly, and the working of the engine being connected with the working of the valves, or air-pumps, secures its constant and continual injection into the boiler. The apparatus is applicable, not only to locomotives, but to stationary engines, and in these a very high percentage of gain in work done has been effected. Although the Lancashire and Yorkshire are at present the only company really adopting the apparatus, we understand that others have the matter in contemplation, any definite

present the only company really adopting the apparatus, we understand that others have the matter in contemplation, any definite action having been suspended until the results of the experimental tests of the appliance should afford the means of judging of its actual utility.

THE MINERAL INDUSTRIES OF NEW SOUTH WALES-THE AUSTRALIAN AGRICULTURAL COMPANY.

AUSTRALIAN AGRICULTURAL COMPANY.

That the development of the mineral resources of a country affords a certain means of promoting its general prosperity is now universally acknowledged, and in the case of our Australian colonies there can be no question that it is to the opening up of their vast mineral wealth in coal, gold, and tin that New South Wales, Victoria, and Queensland owe their present prominent positions; and that it is to further and more strenuous efforts in the same direction that colonists may look for their still more rapid commercial and industrial progress in the future. The result of the meeting of the Australian Agricultural Company, on Tuesday, is one upon which Australians generally, and the shareholders in particular, may well be congratulated; it has completely removed any impression that may possibly have existed that the Governor and board were incompetent to conduct the business of the company, and has convinced the executive that no fault will be found with them by the proprietary for making the necessary outlay for testing an important, though hitherto neglected, portion of the company's property, supposed to contain great mineral wealth, and known to possess great natural advantages in the shape of splendid harbour accommodation, and a moderately fertile surface, readily capable of improvement. It is, perhaps, to be regretted that the meeting commenced by the exhibition of slight hostility between the executive and the shareholders, yet there is much compensation for that regret in the fact that it has been the means of forcing more.

readily capable of improvement. It is, perhaps, to be regretted that the meeting commenced by the exhibition of slight hostility between the executive and the shareholders, yet there is much compensation for that regret in the fact that it has been the means of forcing more energetic action than would otherwise have been taken, and has produced no injury to anyone. It has been demonstrated that both the Governor and Mr. Prance, the leader of the opposition, were equally desirous of promoting the best interests of the company, and the harmless combat has led to a common line of action being taken, which will speedily prove beneficial to all.

The Port Stephens estate, the neglect of which formed the subject of dispute, is unquestionably valuable; and accepting the broad fact that the Australian Agricultural Company owns that estate, and is indisposed to apply its own capital to its development, the proposition of Mr. R. H. Prance, that the company should transfer the Port Stephens property to a distinct undertaking, willing to provide the necessary capital for working it, appears at once reasonable and business-like. Mr. Prance's argument was very plausible, that by the formation of a separate company to develope the Port Stephens estate every Australian Agricultural shareholder who might think proper to facilitate the work by contributing funds cou'd participate in the profits to be derived, whilst those who did not so contribute would remain in the same position as at present. The Governor, however, explained that there was a slight fallacy in this line of reasoning, inasmuch as, assuming every Australian Agricultural shareholder to take part in the new concern, their position this line of reasoning, inasmuch as, assuming every Australian Agricultural shareholder to take part in the new concern, their position would in no wise differ from that in which they would be placed by deciding that the Australian Agricultural Company should itself develope the Port Stephens estate, whilst essuming that only some of the shareholders joined the new concern, those who did not do so might be prejudiced through the Port Stephens property being nominally transferred (the Australian Agricultural Company not having been sufficiently tested to be enabled to form an accurate opinion as to its value) for less than it subsequently turned out to be worth.

At the present time the Australian Agricultural Company is in

At the present time the Australian Agricultural Company is in the enjoyment of great prosperity, for which it is entirely indebted to the integrity and untiring exertions of the present Governor and to the integrity and unitring exertions of the present Governor and board, and in those cases in which subsequent knowledge has proved that better things might have been done it has usually been shown that the course decided upon was at the time that which would have been generally approved. As an instance of this, reference may be made to the new pit at the colliery. The Governor, in his opening address, remarked that as to the new pit, it would have occurred to some of the shareholders that it would have been better if the pit had been constructed of greater disputers, and the board ways of had been constructed of greater diameter, and the board were of the same opinion, but in 1870 they did not anticipate all the conse-quences of the remarkable trade which had taken place in the last 18 months, and all he would say in justification of the board was— Who did? The pit was sunk for a special purpose, and was well adapted for it; they did, however, send out a larger engine than was at first contemplated, as it cost only a few hundreds more, and

property would be much increased. They had asked Mr. Merywether whether he could superintend the boring operations in addition to his present occupation, and they trusted that the result would be satisfactory, although the present position of the company was such that it could bear disappointment as to the Port Stephens estate.

An unfortunate observation from the Governor that the present opposition was the result of self-interest elicited from Mr. Prance opposition was the result of sentimeters indicated by self-in-the willing admission that he most certainly was guided by self-in-terest, which represented 1-20th part of the concern, and he pro-posed an amendment to the resolution for adopting the report, the posed an amendment to the resolution for adopting the report, the effect of which was to reserve the question of dealing with the Port Stephens property, with the view of a special meeting being called, so that he and his friends might provide the money for developing the estate. In seconding the amendment Mr. Woodroffe remarked that Mr. Prance's letter had awakened thoughts of a character anything but pleasant, and the directors' reply did not appear satisfactory. It was the first time he had attended a meeting in London, although he had long been a shareholder, and he was surprised to hear a property of this magnitude put aside in such an off hand manner. He had formed the opinion that Mr. Winship was quite incompetent to pronounce an opinion, as all his experience had been in connection with coal. If the board had told the shareholders that the reports of competent men had decided them to holders that the reports of competent men had decided them to hold their hands for some time it would have been satisfactory, but as it was the shareholders suggested that the Port Stephens proholders that the reports of competent men had decided them to hold their hands for some time it would have been satisfactory, but as it was the shareholders suggested that the Port Stephens property should be carried over to a different proprietary. A little less irritability on both sides would not have been disadvantageous, and would have prevented many personalities, which wasted much valuable time, and of no general interest beyond proving that so much glass was used in the construction of Mr. Ravenshaw's house whilst he was Governor of the company; that he should have been the last to throw stones, and that the present Governor (Mr. Edward Hamilton) possesses valuable local knowledge, which will prevent him imitating Brigham Young's engineering experiment of making a canal wherethrough the water could only reach its destination if it flowed upwards, by attempting to construct a railway over a chain of mountains so as to connect Singleton with Port Stephens, But the little eccentricities of the opposition will now be set right before any mischief is done, and the discussion at the meeting will merely have removed some erroneous impressions.

Regret was expressed by Mr. Price at some remarks which had fallen from the Governor, but it must be acknowledged that the Governor, whether rightly or wrongly need not be considered, felt himself much aggrieved, and adopted the thoroughly English principle of fighting first and then enquiring why the challenge was sent. Mr. Price, though an old personal friend of the Governor, did not hesitate to acknowledge that it was Mr. Prance's movement which had stirred up the directors, and he certainly objected to their Gladstonian absurdity of three courses. First they referred to a forced sale, which he regarded as a blind, no one, whether director or shareholder, ever having contemplated a forced sale; then there was the suggestion that they should do nothing which was bad in principle, inasmuch as they were landowners, and should, therefore, direct attention to the property

principle, massuch as they were landowners, and should, therefore, direct attention to the property, so as to derive advantage from it at the earliest possible period; and then there was the third alternative—that the survey should be resumed, which, as the company had been in existence since 1824, came rather late. He maintained that no shareholder would submit to the Port Stephens estate lying longer idle, and in saying this he certainly seemed to express the views of the entire meeting.

views of the entire meeting.

longer idle, and in saying this he certainly seemed to express the views of the entire meeting.

The partial surveys hitherto made do not appear to have been so satisfactory as could be desired. Mr. Odernheimer was a mere geologist, with little practical experience, and an awkward cargo in a rough and unsettled country, since he could not ride, and could only be transported from place to place in a side-saddle. This was at least surveying under difficulties. Then there was Mr. Winship, whose experience was limited to collieries. And now it is proposed to employ another gentleman, who has, doubtless, the advantage of connection with the Royal School of Mines, and of having received a technical education, but whose report would have comparatively little influence in attracting capital from men of business, especially after the lamentable mistakes of professors, fellows of the Royal Society, and others with similar theoretical positions, in estimating the past few years. To select Mr. Hilary Bauermann to report upon a property in New South Wales in preference to Mr. Merywether, or some other really qualified man connected with the colony, is likely to add to the number of mistakes of which the shareholders of the Australian Agricultural Company complain; and here again it will be the shareholders, and not the Governor and board, that will be responsible for the failure. The proprietors might well have contented themselves with a survey made under the superintendence of the company's officers, and in a report framed upon data so obtained the shareholders, and in a report framed upon data so obtained the shareholders, and in a report framed upon data so obtained the shareholders, and in a report framed upon data so obtained the shareholders, and in a report framed upon data so obtained the shareholders, and in a report framed upon data so obtained the shareholders, and in a report framed upon data so obtained the shareholders, and in a report framed upon data so obtained the shareholders, and in a report framed upon been in a totally different field.

been in a totally different field.

Until the survey be made, and the report upon it be in the hands of the shareholders, it is difficult to form any reliable estimate ato the probable value of the Port Stephens estate, but as the question has now been raised, it may be hoped that ere long the necessary facts will be forthcoming. Until then each must enjoy his own opinion as to whether it is so valuable as to justify an individual shareholder in offering, as Mr. Prance offered at the meeting, to pay the whole expenses of the survey, because the development of it would reimburse him as a shareholder; or whether it is of such merely prospective worth that the directors were justified in leaving it to be developed by "future generations," and when the population of the region shall be numbered "by millions instead of by thousands."

MR. GEORGE ELLIOT AND THE MINERS.-Much regret has been expressed at the defeat of Mr. G. Elliot, the late member for North Durham. Mr. Elliot is one of the largest employers of labour in the kingdom, being interested in mines in Durham, North mberland, North and South Staffordshire, and North and South Wales, and has always been a most liberal and considerate master. Yet for some fancied grievance with regard to the part Mr. Elliot took in the passing of the Mines Regulation Act the pitmen of North Durham fancied grievance with regard to the part Mr. Elliot took in the passing of the Mines Regulation Act, the pitmen of North Durham not only opposed his election, but showed their appreciation of past favours by assaulting him and some of his friends. But the gratitude of colliers is a thing not to be thought of. As regards the part Mr. Elliot took with reference to the passing of the Mines Regulation Act, we can say it was in the highest degree to his credit, for he exhibited a desire to sacrifice his own interests for the benefit of the miner and his family. In the evidence he gave before the Select Committee of coal, he said he took a very active part in the passing of the Mines Bill, because it had a great deal in it which tended to the security and protection of the workmen whilst, with regard to the interference with children between the ages of 12 and if years he accepted it, believing it would be a boon to the working men, and "especially to the younger members of the mining population." In the interest of the years he accepted it, believing it would be a boon to the working men, and escaled to the younger members of the mining population." In the interest of the miners in expressing the great difficulty he experienced in obtaining freehold lad for the purpose of building cottages, he said he thought it would be fair for him oask the House of Commons to take foreible possession of land for the purpose. Such traits as those show the thoroughly unselfish and disinterested character of the man, and we very much regret that he should have received the treatment he has at the hands of those for whom he had done so much, and from whom better things might have been expected. We may, however, fairly assume that these who acted towards Mr. Elliot in the manner we have stated were the most ignorate of the miners of the North, and were as incupable of judging of a man's character at they were of understanding the Mines Regulation Bill, or, in fact, any other Bill.

PROFITABLE MINING.—The dividends from two mines on the Comstock Lode, the Crown Point and the Belcher, have amounted to \$10,000,000 in the last ten months.

THE EXPORT COAL TRADE.—The exports of coal from the United Kingdom presented rather a substantial increase in January, having amounted in that mouth to 916,116 tons, against 799,227 tons in January, 1873, and 842,328 tons in January, 1872. France sustained, as usual, the largest share in last month's exports, having figured in the revival noticed in the Indian demand for our rails. The Wurdha Increase in January, having Warlby (State) Railway has been opened to Hinghunghat. This Wurdha line, which is on the same gauge as the Great Indian Peninsula Railway, joins that system at Wurdha; and for the present it will be worked by the Great Indian Peninsula, on the same terms as those on which the State traffic to Khangaom and Amraoti is now being conducted. The Wurdha line is being continued to Chanda, and its completion to that district will be of great importance, as it will bring a supply of cheap fuel within reach, not only of several railways, but also of presses, and spinning and weaving mills now in result

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tons were shipped for the use of steamers engaged in the foreign trade in January. The value of the coal exported from the United Kingdom in January, exclusive of that shipped in the same month for the use of steamers engaged in the foreign trade, was 943,861*l.*, as compared with 834,598*l.* January, 1873, and 469,628*l.* January, 1872.

PREVENTION OF NOXIOUS VAPOURS.

Ringdom in January, excusive of that supper in the same among for the use of steamers energied in the foreign trade, was 943,8014, as compared with \$51,092. January, 1873, and 460,0284. January, 1872, as compared with Std,0924. January, 1873, and 460,0284. January, 1872. Although inconvenience has in some cases been caused to those connected with industrial undertakings by the infliction of somewhat heavy fines for permitting the escape of noxious vapours generated in the processes carried on by them, the ultimate result has frequently been peculiarly advantageous to themselves, and of general benefit by bringing some of the ingenious and important inventions into common use. One invention of this class worthy of special consideration is that now employed by Mesers, largeraves and Bodinson, of the Adas Chemical Works at Wilmes, for the manufacture and upon salt, instead of by first converting the sulphurous limited and upon salt, instead of by first converting the sulphurous limited and the sulphurous has a sulphurous control of the sulphurous control upon salt, instead of by first converting the sulphurous limited and the sulphurous limited and the sulphurous control upon salt, instead of by first converting the sulphurous limited and the sulphurous control upon salt, instead of by first converting the sulphurous and land the sulphurous acid upon salt, instead of by first converting the sulphurous acid upon salt, instead of by first converting the sulphurous acid upon salt, instead of by first converting the sulphurous acid upon salt, and the sulphurous acid to sulphurous acid to sulphurous acid to sulphurous acid to passed through and the result of the sulphurous acid to passed through all the chambers in succession, and when the contents of one of the chambers are properly converted into salt-case, that chamber, and the sulphurous acid, together with a little air and steam, act as an atmosphere by which t

DAMAGE FROM WATER.—In the Court of Exchequer Chambers, Westminster, before the Lord Chief Justice Coleridge and Justices Keating, Quain, Grove, Archibald, and Honyman, the case of Smith e. Fletcher was heard. It is a case involving a most important question to mineowners—as to how far a mineowner on a higher level is liable for damage of water which goes from his mine into his neighbour's on a lower level. The parties are iron ore miners in Cumberland, the defendant hold ing his on a five parties are iron ore miners in Cumberland, the defendant hold ing his on a five parties are iron ore miners in Cumberland, the defendant hold ing his on a five parties are iron a brook which had been diverted by defendant into an open quarry working of defendant's, and thence it went down into his mine and ultimately by percolation into the plaintiff's mine, and on the defendant's counsel proposing to show that the new brook was more capacious than the old, and this was an extraordinary flood, against which he was not liable to the plaintiff, the learned judge prevented him holding that. The House of Lords had desided in a case of Fletcher v. Rylands that a mineowner was absolutely liable manner all circumstances for damage done from water escaping from his mine and injuring his neighbour's. It was against this ruling that Mr. Holker, Q.C., M.P. tith him Mr. Ray, Q.C., and Mr. Bayliss), appealed to the Court of Exchence the usual way of running, had made it more capacious than it was before, and but for the extraordinary flood it would have earried off the way in the usual way. The defendant had also made a quarry to get the iron ore, and the flooded water getting in the extraordinary flood it would have earried off the way in the usual way. The defendant was entitled to do, and for which he was in no way responsible, according to the case of Fletcher r. Rylands.—Mr. Herschell, Q.C., contended that so this water came into plaintiff's mine through the action of defendant in diverting the stream and making the quarry, and not na

MANUFACTURE OF STEEL. - Mr. GALLET, of Paris, has patented

resin, 4 to 5 parts by weight; common salt, 1 part by weight; sal ammoniac, 0.50 to 1 part by weight; borax, 0.5 to 1 part by weight; water about 10 per c-nt. of the weight.

TIN MINING IN CORNWALL.

There seems a prospect of the renewal of the attention of investors towards the development of the Cornish Tin Mines. We understand that a new company is about to be brought out, with an influential and experienced directorate, to work the New East Wheal Vor. Amongst the directors is Sir John MacLean, F.S.A., the author of a parochial history of Cornwall, entitled "The Deanery of Trigg Minor."

The directors have taken unusual pains to ascertain the value of

The directors have taken unusual pains to ascertain the value of the property previous to placing it before the public, having obtained the opinions of most of the principal mining authorities in the district. When we state that the purchase of the mine is recommended by Captain Harris (manager of Great Wheal Vor), Captains Pope, Nicholas, Richards, &c., it cannot be doubted that the required capital will be readily subscribed.

REPORT FROM CORNWALL.

REPORT FROM CORNWALL.

Feb. 12.—There has rarely been a time when mining matters looked so uncertain, and to all casual appearance so unpromising as they do now. The most confident anticipations are entertained in all the quarters believed to be best informed that with the new year a new era of prosperity, steady, if not all at once brilliant, was to open upon our tin mines. We hardly expected that the events of 1874 would be repeated, and a rise in the standard take place upon New Year's day. But that a rise would take place very shortly afterwards was confidently looked for, and it was believed that associated with it would be a decrease in the price of that most serious item in our expenditure—coal. One-half of these expectations have, in some measure, been realised. There has been a drop in the cost of coal, very inadequate, it is true, to what has taken place in some other quarters, but still sufficient, had the standards remained as they were, to have put not a few mines into a very much better financial position than they now are. (It is fortunate, by-the-way, with coals at such exorbitant prices as have ruled, that the winter has been, comparatively speaking, a dry one.) But what was given with one hand has been more than taken away with the other. We have had fall after fall in the tin standard, until 10% has been lopped off the market price in less than three weeks, and there is no assurance that the downward process has ended. How is this? It has been stated, and the idea is supposed to be borne out by the absence of official quotations, that the smelter's "ring "is broken up. Judging by results we should say just the contrary. There is a remarkable agreement among them in prices, and if there still is an understanding among them, as notwithstanding the absence of the quotations we are inclined to imagine, then it is plain that Cornish miners had better deal with an avowed combination than with a hidden standing among them, as notwithstanding the absence of the quotations we are inclined to imagine, then it is plain that Cornish miners had better deal with an avowed combination than with a hidden one. An open fire is better than an abushed any day. Not that we wish to speak of the smelters as the enemies, in any direct sense, of our mining. But they have their own interests to serve, and naturally they are paramount.

If they could always reconcile the highest profits to themselves

our mining. But they have their own interests to serve, and naturally they are paramount.

If they could always reconcile the highest profits to themselves with the greatest prosperity to mine adventurers, unquestionably they would be glad to do so. But they cannot, it would seem, and hence many of our present difficulties. We say many because the Australian tin has of late been an unknown quantity, which has baffled the calculation of well nigh everybody, and this cause of our fluctuations has hitherto been entirely beyond home control. It is said that the smelters have large stocks in hand. If so, one would rather expect to see higher prices rule, for they have never been credited with a desire to buy dear and sell cheap, though of course they must be influenced by the state of the general market. If their stocks are so large as is said, very probably we shall find them gradually working off directly the agitation and disturbance of trade consequent upon the elections is over, when the general tendency would of course, apart from and above all merely local influences, be in an upward direction. It is said that large quantities of Australian tin are coming home. As we stated last week, with prices as at present it will not pay to send home the tin which is being raised in that country, and, thanks to the telegraph, we are likely to have a tolerably sudden check put to the shipments. The Australian tin, therefore, it would seem may be pretty well left out of the calculation. The one thing to be guarded against now is panic. There are, unfortunately, premonitions that a condition of panic is impending, which, gloomy as things now are, would make them tenfold worse. There never was a time at which adventurers in mines required to be more careful in what they were about, and to avoid undue haste in their dealings, than now. May they take the hint.

FRIDAY NIGHT.—The continued depreciation in the Tin Standard is rapidly producing, we fear, the results which we must deprecate. Already it has been decided at Cook's Kitchen and West Frances to work only the most productive parts of the mines, and at North Roskear meeting to-day it was declined to consider the condition of the mine at a special meeting. The prospect is altogether most gloomy.

REPORT FROM SCOTLAND.

Feb. 11.—The Pig-Iron market has been very dull since the date of our last report. Last week the price fluctuated betwixt 100s, 6d, and 101s, 9d., closing at latter price on Friday. On Monday the market opened at 101s, 9d., and receded to 100s, 6d. Yesterday the opening price was 100s, 1½d., and a large business was done down to 97s, 3d., from which point there was a reaction, and the close was 98s, 6d, sellers, 98s, 3d, buyers. To-day the market was flat, with business from 98s, 6d, to 96s, 6d., at which it closed. The prices of makers' iron are very irregular. of makers' iron are very irregular.
Shipments.

Decrease
Total decrease since Dec. 25, 1873...
Imports of Middlesborough pig-iron into Grangemouth:—
Week ending Feb. 7, 1874
Week ending Feb. 8, 1873

Increase
Increase
Increase
Increase
Increase
Increase
Increase for 1874
Increase for ders for the construction of two cast-iron water towers, 75 feet in diameter, for the Pelotas and Rio Grande Waterworks, in the Brazils.

diameter, for the Pelotas and Rio Grande Waterworks, in the Brazils. Machinists are reported busy. The firm of William King and Co., engineers and boilermakers, South Kinning-place, Glasgow, has been dissolved, and Mr. William King will continue the business on his own account under the old firm, and pay all debts due by it. Coals for shipment have undergone another reduction, and may be had (Wishaw Main) for 13s. 6d. f.o.b. here, and 14s. at Grangemouth; Ayrshire, 14s. at Troon or Ardrossan per ton. Househeld, with the sharp frost which has set in, is firmer, but the demand is only temporary and limited. The tendency of prices is downward, and a considerable reduction is expected shortly.

A beginning has been made (which is threatening to become

A beginning has been made (which is threatening to become eneral) for reducing miners' wages in the various coal districts from 6d. to 1s, per day. The miners are meeting it with the tactics which have been so successful of late, and are reducing the number of working days in the week and the number of hours per day in order to keep down stocks and keep up wages. This is being done order to keep down stocks and keep up wages. This is being done in Stirling, Lanark, Fife, and Ayrshire, as well as in the Lothians, but this attempt to restrict the "darg" has its limits, and it is pretty evident that we have all but arrived at that limit. Of course, the miners have great faith in Mr. McDonald, and entertain a kind of in the house coal trade, but of late the colliers have been on very

hazy belief that now he has become a member of the House of Commons he will be enabled, by some kind of means, which they do not well understand, to accomplish for them all that their hearts may desire. In the House of Commons Mr. McDonald's utterances will have to be regulated by "truth and soberness," as Mr. Whitelaw (of the Gartsherrie firm) will be able to sift his wheat, and drive the empty chaff away.

empty chaff away.
On Monday Mr. McDonald met the miners in Conference here, and empty chaff away.

On Monday Mr. McDonald met the miners in Conference here, and was welcomed with great cheering. The Larkhall men are to give 100% to defray his expenses; Annbank, 10%, and Mayhill people are to contribute 1s. a head for the same purpose. Mr. McDonald is not in any sense a "working man," but he is to get paid for representing his constituents in the British Parliament. It is thought here that the electors are likely to get soon weary of paying for what they can get "without money and without price." [Mr. McDonald's address is given in another column of this day's Journal.] and A the Association of Engineering and Shipbuilding Draughtsmen a paper was read by Mr. F. Ruthren on the "Hydraulic Propulsion of Vessels," and proved most interesting. In the course of his remarks, Mr. Ruthren referred to the trials and experiments made with various vessels, mentioning, as a particular case, Her Majesty's gunboat Waterwitch. Though at the present time not much is heard about here performances, yet a few years ago great interest was taken in her. Mr. Ruthren strongly advocated "hydraulic propulsion," which, in his opinion, would effect a vast saving in fuel, &c., and prove a most desirable motive power in war-ships, from the facility with which a vessel so propelled can be handled in the water. A very lively discussion followed, and the meeting closed with votes of thanks to Mr. Ruthren for his able paper, and to the Chairman.

The miners in the employment of Grangemouth Coal Company have struck work. They had received notice of a reduction of 6d, per ton upon the short draws in two pits, and intimation that they must work ten days per fortught of eight hours a day, in place of continuing their present system of a restricted "durg," which, at 4s. 8d. per ton, yields them 8s. 3d. per day. The price of coal in Grangemouth has been reduced from 17s. 6d. to 16s. per ton.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

REPORT PROM NORTH AND SOUTH STAFFORDSHIRE.

Feb. 12.—The Iron Trade of South Staffordshire has not undergone any important change since our last report. Common sheets have been pressed for sale at 14t, per ton, and numerous transactions at that figure have taken place; but best sheets are firm, and other classes of finished iron are steady, at about late rates. Bars are quoted at 14t, 12s. 6d. for Earl Dudley's brand, 14t. for B B H, 12t. for medium, and 11t. 10s. to 12t. for common makes. The price of rods, hoops, strips, plates, and angles is in proportion to this standard. Galvanised roding sheets are in steady request, chiefly on account of the colonial markets. The pig-iron makers quote best brands of native, all mine, firm, at 7t. to 7t. 10s., part-mine being 5t. 10s. to 6t. With regard to common pig, prices are undoubtedly weaker.

The South Staffordshire Coal Trade is firm as regards prices of best coal, but the demand is not buoyant. The consumption at the ironworks is restricted by the slackness of trade, and the consequent short time at the mills and forges. Forge coal is 14s. to 18s. per ton, and other samples in proportion. Limestone has advanced this week 6d. per ton, to cover the wages concession just granted to the limestone miners. Satisfactory progress is reported with regard to the Sandwell Park trial sinking and the Huntington (Cannock Chase) trial boring, and confident hopes are entertained of the ultimate success of both enterprises. Some small firms are seeking orders for second quality coal at 4s. per ton under prices ruling two months ago.

The quotations for stocks and shares in local coal and iron companies are as follow, on the Birmingham Exchange:—Chillington Iron, 74, sellers; J. Bagnall and Sons (Limited), 93, sellers; Patent Nut and Bolt, 3 prem., buyers; Sandwell Park Colliery (Limited), 110 paid, 270; Cannock and Huntington, 4 prem.; Patent Shaft, 7 prem., buyers; Sandwell Park Colliery (Limited).

In the North Staffordshire district the iron trade is less active than last desc

cables and anchors.

The directors of the Ivy House and Northwood Colliery Company (Limited) have declared a dividend at the rate of 10 per cent. per annum, free of income tax, and a bonus of 10s, per share, making the dividend equivalent to 20 per cent. for the year.

REPORT FROM MONMOUTH AND SOUTH WALES.

REPORT FROM MONMOUTH AND SOUTH WALES.

Feb. 12.—Up to this date the excitement resulting from the election contests seems rather to heighten than diminish. For the past ten days electioneering matters have absorbed nearly all attention throughout the Principality. In the great ironmaking districts of Merthyr and Aberdare capital and labour had a direct contest, but the latter was defeated. Mr. R. Fothergill, who was first elected to Parliament in 1868, has made himself very popular in South Wales for his constant and able advocacy in the House of Commons of the superior qualities of South Wales steam coal, and there is no doubt that to his and Mr. Dillwyn's exertions is owing, to a large extent, the prosperity of the South Wales coal trade during the last few years. Mr. Fothergill is one of the most extensive owners of iron and coal works in South Wales, and as he is a Liberal in politics also, it is not very surprising that he was returned by a considerable majority over Mr. Halliday, the labour candidate. But it may be mentioned that the working men were not united in their choice, a large section having selected another Union leader, and because he was not brought forward withheld their support altogether. Mr. Pochin, who has large stakes in several iron and coal works in Monmouthshire, and who contested the Monmouth boroughs in the Liberal interest, was defeated; Mr. Cordes, one of the proprietors of a nail factory at Newport, having been returned by the Conservatives. Sir Ivor Guest, the principal proprietor of the Dowlais Works, one of the largest establishments in the world, has contested the county of Glamorgan in the Conservative interest, but the result of the polling, which took place on Weddnesday, was not made known up to the time of writing. It is not surprising, therefore, seeing

up to the time of writing. It is not surprising, therefore, seeing how closely connected with the elections the masters and workhow closely connected with the elections the masters and workmen are and have been, that very little has been done in the way of trade. In regard to the iron trade, it cannot yet be said that there is any appreciable change, though there have been signs of a slight movement in the enquiry for rails, but it was not followed up by the placing of orders. Probably, however, when the elections are all over, and makers can again turn their attention to business, there will be some revival in the trade generally. In the course of another week or two Russian orders for railway iron are expected to begin to come to hand. The iron exports during the past week have been exceedingly small, having only included 420 tons of rails to Santos, 135 tons to Madras, and 300 tons of bar and trundle iron to Smyrna. The position of the Tin-Plate Trade has not altered to any extent for the last three or four weeks.

There is but little change to be noticed in the Coal Trade. The demand for steam qualities has continued steady, but owing to the

mand for steam qualities has continued steady, but owing to the irregular working of the collieries supplies have been short, and the quantities cleared to the foreign markets have lessened in proportion. Old quotations are still adhered to. The cold weather which has prevailed for some days has caused a little more activity

short time; sellers have, however, evinced no disposition to reduce snort time; seriers nave, however, evime and disposition to reduce quotations. The exports of coal from the leading ports of the district during the first month of the year were large, and showed a considerable increase over the corresponding month of last year. The iron exports during the month did not reach half the average.

The election contests have caused much rioting in that celebrated district, the Rhendda Valley and the military had to be called from Newport to restore peace.

restore peace.

The directors of the Taff Vale Railway Company have determined to recommend a dividend at the rate of 10 per cent. for the last half-year, with a bonus of 1 per cent.

TRADE OF THE TYNE AND WEAR.

TRADE OF THE TIME AND WEAR.

Feb. 12.—The Coal and Coke Trades are very quiet at present, the supply being generally pretty nearly equal to the demand. The steam coal trade continues very healthy, and a good business is still done in best Northumberiand steam coal. Best house and gas coal also still commands a good price, but inferior and manufacturing sorts are plentiful, and can be had in many cases at reduced prices. However, further reduction in the price of coals and coke need not be looked for here at present, as contracts have been entered into in a great majority of cases for the supply of coals during the present vear at current rates. ear at current rates.

year at current rates.

The Redheugh Estate, on the west side of Gateshead, has been leased by a company, with a view to work the minerals, and two shafts are to be sunk immediately. The upper seams have been worked from the earliest times, but the lower seams, including the Beaumont and Brockwell seams, are expected to be found entire. The Brockwell scan produces excellent coking coal, and the Beaumont good house coal. One of the shafts at the new winning on the Deckham Hall Estate, south of Gateshead, has been got down to the first seam; it has, however, been worked by the old men, and the shafts will be sunk further, when it is expected some seams will be found unworked.

The local elections are nearly completed, and liberals have, with only one exception (if Mr. Hamond's return for Newcastle-on-Tyne can be called an exception), been in all cases returned. As we anticipated, the struggle in North Durham has resulted in the return of the Liberal candidates, Mr. C. M. Palmer and Mr. I. L. Bell by considerable majorities, and the defeat of the late members, Mr. G. Elliot and Mr. Pemberton, of Sunderland.

Mr. Tenmeron, of Sunterland.

Mr. Thomas Burt, the recently-elected member for Morpeth, and Major Duncan, the Conservative candidate in the contest, accompanied by one or two other gentlemen, visited and explored Cambois Colliery, which is situated about two miles north of Blyth, and is one of the most admirably arranged and well-conducted mines of the North.

one of the most admirably arranged and well-conducted mines of the North.

The Iron Trade continues very quiet, partly owing to the attention of most people being entirely absorbed by the elections, but it is quite apparent that the demand for finished iron is very weak, and, consequently, prices of all kinds of iron have given way. Pigiron and iron of all kinds can be had this week on easier terms, and lower rates are pretty certain to prevail for some time to come.

NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL EXGINEERS.—A general meeting will be held on Saturday, when a paper will be read by W. G. A. Lebong. "Notes on Further Researches in the Natural Pits of Hainant, with Remarks on their probable Origin." This paper, and Mr. J. B. Simpson's "On Natural Bhafts in the Coal Measures of Begium," will then be discussed, and Mr. Simpson will state some new facts which he has obtained in relation to the subject. Mr. W. Frederick Hurd will read a paper "On Hurd and Simpson's Patent Air Compressing and Self Acting Coal Cutting Machinery for Straight Work, Long Wall and Pillar, and Stall Work," which will be illustrated with drawings and models. The following papers will be open for discussion: "On a Differential Expansion Pumping Engine," by Mr. Henry Davy; "On a Swew Description of Safety-Lamp," by Mr. Emerson Baibbridge; "On Raising Coal Grom great depths by Atmospheric Pressure," by The. Wood Banning.—(A foll report of the proceedings, which are expected to possess much interest, will be given in next week's Journal.)

REPORT FROM LANCASHIRE AND CHESHIRE.

REPORT FROM LANCASHIRE AND CHESHIRE.

Feb. 12.—At Burnley, yesterday, two cases of conspiracy were before the magistrates; George Riley, of Platt Bridge, Wigan, subtreasurer of the Amalgamated Association of Miners (who is already committed for trial, along with Mr. Halliday and others) and Joseph Hargreaves, mining agent, of Burnley, being charged with offences similar to those alleged in the previous case. Mr. Leresche, barrister, prosecuted on behalf of the executors of J. Hargreaves, and Messus. Richardson and Bramwell, of Manchester, were for the defendants. The evidence of two Crnishmen was to show that the defendants had caused them, in violation of contract, to leave work, and had paid their fares home. The defence submitted was that there was broken before the Cornishmen even saw the defendants, and therefore before the defendants could conspire to Induce them to leave Hargreaves's employ. The defendants were committed for trial at the Assizes.

the Assizes.

These cases, when they come on for trial, will, no doubt, excite ress cases, when here come on for that, will, no doubt, excite a very great amount of interest, not only in the coal trade, but in every industrial district. I hear that the association will spare no cost whatever in obtaining the services of the most eminent counsel, in order that a complete understanding as to the law on the subject may be hed.

may be had.

The coal returns for January show an extraordinary decrease, the difference being 90,727 tons in favour of December. The quantities sent from the Wigan district are set forth below:

No important change in prices has to be reported this week, but rates have a steady downward tendency. There is a grout deal of stacking going on, especially of inferior sorts.

At Chorley, on Wednesday, the Wigan Coal and Iron Company prosecuted two miners for firing a shot contrary to orders, and causing a serious explosion, resulting in serious injury to the defendants and

section explosion, resulting in serious injury to orders, and causing a serious explosion, resulting in serious injury to the defendants, and endangering the lives of others. Mr. Barlow (from the office of Mr. Peace, secretary to the company) prosecuted, and asked the magistrates in their decision to have regard to the physical suffering the defendants had undergone through their recklessness. A fine of 20s. and costs was imposed.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

Feb. 15.—The mining districts between Chesterfield and Sheffield Feb. 15.—The mining districts between Chesterfield and Sheffield were in an excited state during the early part of the week consequent on the election for East Derbyshire. One of the candidates was Mr. W. Fowler, the chairman of the Sheepbridge Coal and Iron Company, the pits belonging to whom put out about 10,000 tons of coal a week. There are five blast-furnaces, together with mills, foundries, &c., so that profitable employment is found for a vast body of workmen. Mr. Fowler, who is a man of great energy, established the works with which he is connected, and raised a small town of 6000 inhabitants on a spot that 18 years ago was nearly green fields. He however to the less of the mining interest laters. town of 6000 inhabitants on a spot that 18 years ago was nearly green fields. He, however, to the loss of the mining interest, lost his election by a small majority. Trade has been very quiet at most of the collieries, and a considerable less tonnage of coal has been sent to London of late than there was up to the close of last year. At Clay Cross the miners have resumed work after a short strike, having accepted the reduction of 3d. per ton for getting. A commencement thus made is likely to be followed at other places, for the question of a general reduction of wages is now being discussed in several districts. Prices of coal have come down very much, and in several districts. Prices of coal have come down very much, and are now lower than they have been at any period during the last 18 months. On Feb. 15 last year the price of the best coal, delivered in London, was 52s, per ton, whilst it is now only 32s, so that there has been a reduction of 19s, per ton, whilst the miners' wages between the two periods has considerably increased. This is a state of things not likely to last much longer, although the men, as a rule, would prefer working only three or four days a week rather than submit to a reduction of their wages. The iron trade of Derbyshire continues in a healthy state, there being no falling off in the number of turnaces in blast, whilst the demand for some qualities of iron has slightly improved. Although some of the Sheffield trades are not or all active still

naces in blast, whilst the demand for some quilities of fron has slightly improved. Although some of the Sheffield trades are not at all active, still the business tone is better than it has been since the commencement of the year. The armour-plate mills are now running very well, a good deal of that rolled being for the Continent. Some of the steel melters are by no means busy, but there is a steady business being done in malleable castings, rails, and Bessener material. The South Yorkshire coal trade has been quiet for some time, and priess of both steam and household qualities have fallen from 1s, to 2s, per ton. At several colleries the men have only been working four days a week on the average, and there is not much prospect of any material change for the better. The demand

for Silkstone and other coals for the metropolis has been very quiet, and there is, therefore, no reason why prices on the Exchange in London should have increased as they did on Wednesday. Sidings and depôts are blocked at several places with loadest waggons, whilst at many collieries all work is stopped in consequence. The exports from the Yorkshire ports, as well as from Grimsby, are much as they have been. Gunpowder, or rather blasting, is being done away with at very many collieries, and during the week arbitrations have taken place as to the wages to be paid for bringing the coal down by wedging in lieu of powder. Increased safety appears to be the object of the men, but coalmasters have to pay a much higher amount in wages for the change.

At the election of members for the south-west division of the West Riding of Yorkshire Mr.W. 8. Stanhope, a large mineral proprietor, was returned at the head of the poil. Mr. Stanhope is the lessor of the Silkstone coal at the Farnace Main, as well as in connection with other collieries, and was a member of the Select Committee on Coal which sat last year, as was also Alderman Carter, who headed the poil for Leeds.

COALS.

CONTRACT DEPARTMENT, ADMIRALTY, WHITEHALL, S.W. 7th February, 18

TENDERS will be RECEIVED on THURSDAY, the 25th inst., until Two o'clock P.M., for the following quantities of LAND ENGINE COALS, viz.:—

CHATHAM 14,400 tons.

SHEERNESS 4,300 9

PORTSMOUTH 11,000 9

DEVON PORT 7,700 9

PEMBROKE 7,700 9

Their Lordships do not bind themselves to accept the lowest or any tender, and reserve to themselves the power of accepting any part of a tender.

Forms of tender, containing all particulars, may be obtained at this office, on application, either persanal or by letter.

FRANCIS W. ROWSELL, Superintendent of Contracts.

Sale of Iron Cuttings, Punchings, and Turnings, at the Royal Arsenal, Woolwich.

WAR OFFICE, 5, NEW STREET, SPRING GARDENS, 6th February, 1874.

OTICE IS HEREBY GIVEN, that the Secretary of State for War will be prepared to RECEIVE TENDERS for the PURCHASE of such IRON CUTTINGS, PUNCHINGS, and TURNINGS as may be for disposal during a period of three years, commencing from 1st January, 1874, at the Royal Arsenal, Woolwich, where forms of tender and all information may be obtained, on application to the Controller.

The Tenders are to be delivered at the War Office, 5, New-street, Spring Gardens, S.W., on or before Thursday, 19th inst., addressed to the Director of Contracts, and marked on the outside "Tender for the Furchase of Iron Cuttings, &c., Woolwich."

THOMAS HOWELL,
Director of Contracts.

THE CANADIAN LEAD MINING AND SMELTING COMPANY (LIMITED).

WANTED, an EXPERIENCED MINING CAPTAIN, to TAKE ANTED, AB EAVERLENCED MINING CAPTAIN, to TAKE CHARGE of the WORKING and DEVELOPMENT of the COMPANY'S MINES in CANADA. Some knowledge of smelting is desirable.

Applications, stating salary required, accompanied by testimonials, must be addressed to the Chairman of the company, on or before the 28th inst.

20, 8t. Helen's place, London, 2nd February, 1874.

WANTED, by an EXPERIENCED FOREMAN, a SITUATION as FOREMAN or TIMEKEEPER in some of the COAL and MINING DISTRICTS. Good references.

Address, "W. J.," MINING JOURNAL Office, 26, Fleet-street, London.

ENGINEMEN.

WANTED, TWO DRIVERS, accustomed to HAULING or PORTABLES.

Apply to T. R. Winder, Esq., Pentewan, St. Austell, Cornwall.

WANTED, a MINING ENGINEER, for some PHOSPHATE DEPOSITS in the SOUTH OF FRANCE.
Full particulars to "A. A. A.," Commercial Sale Rooms, Mineing-lane, E.C.

WANTED, a SITUATION as MANAGER of a SMALL, or UNDER MANAGER of a LARGE, MINING ESTABLISHMENT. The applicant has had several years' experience in the direction of mining works in Spain: has a fair knowledge of French, and a thorough knowledge of Spanish. Address, "W.," care of Mr. J. H. Neale, No. 6, Great George-street, Westminster, St.

O CAPITALISTS.—A GENTLEMAN is PREPARED to DISPOSE of his LEAD MINE, or an INTEREST therein, to one or more optialists. Although already opened out sufficiently to return ore from one spot one at the rate of 25 to 30 tons per month, the mine is yet in an undeveloped state, old is of a class and nature to warrant the opinion that it must inevitably and shortly come one of the most valuable mines in the United Kingdom.

Gentlemen of substantial means only, or their solicitors, are invited to apply. Address, "Lead," care of Messrs. Philpott Brothers, 65. King William-street, E.C.

NORWAY.

MORWAY.

THE ADVERTISER has resided many years in NORWAY, and is thoroughly conversant with the language, mining laws, and customs. He offers his services to gentlemen desirous of reliable information regarding Norwegian Mining Properties offered for sale, and can supply photographs, surveys, &c., if wished, to accompany his reports. Has a party of experienced miners in his employ provided with the necessary plant to make extended trial bores, procure genuine average samples of minerals, &c. Unknown correspondents are respectfully requested to supply a London or other satisfactory reference.

Address, Mr. Thomas M. Wilson, C.E., Bergen, Norway.

GENTLEMAN, with ten years' practical experience in the successful exploration and management of Australian and New Zealand Gold Mines (quartz and alluvial), is prepared to REPORT UPON or SUPERINTEND the DEVELOPMENT of MINES or MINERAL LANDS.

Testimonials and references to be addressed "Alpha," care of A. Lee, Esq., Solicitor, 12, Gray's Inn-square, E.C.

A GENTLEMAN, who has had many years experience in Colliery Business and Mining, is OPEN to an ENGAGEMENT as SECRETARY, and COMMERCIAL OF GENERAL MANAGER, or as MINERAL ESTATE AGENT OF MINING ENGINEER.

Address, "M. E.," care of Davies and Co., Advertising Agents, Finch-lane, Corntill, London.

TO DIRECTORS OF MINING COMPANIES, AND PROMOTERS.

A FIRM OF POSITION, in the heart of the City of London, having considerable experience in the Management of Companies, are prepared to UNDERTAKE the entire SECRETARIAL DUTIES of one good company, and find the use of offices, clerks, &c., for a fixed inclusive annual charge This is a favourable opportunity for an established company desirous of reducing its expenses, or for a unweapon was starting when an exceeding the company desirous of reducing its expenses, or for a unweapon was starting was an expensive leading. s expenses, or for a new company starting upon an economical scale. Address, Secretary "A," MINING JOURNAL Office, 28, Fleet-street, London, E.C.

THE OWNER of a COAL MINE desires to communicate with one or more CAPITALISTS, for the purpose of FURTHER DEVELOP-ING the PROPERTIES of the MINE. A promising investment, and good re-

issured. ress, "A. H. B.," care of A. H. Baily and Co., 3, Royal Exchange-buildings,

N SALE, TWO HUNDRED AND FIFTY BRYNKINALT COLL STY SHARES, or less number: £5 shares fully paid-up. Colliery e in CULCK, NORTH WALES. Output 559 tons per week; two new shafts g. Wen completed 1000 to 1200 tons output expected. A GREAT BAR-AIN. Offer wanted. Address, Mr. A. WESTON, 2, Victoria-street, Manchester.

PEAT-PEAT

FOR SALE, TWO THOUSAND ACRES of PEAT, of great depth, and of the finest vegetable quality. Near to railway communication with all parts. Apply to Mr. George T. Challen, 5, Crown-court, Old Broad-street, E.C.

RAST BALLESWIDDEN TIN MINING COMPANY (LIMITED).

Notice is hereby given, that the SEVENTH QUARTERLY DIVIDEND, at the rate of EIGHT PER CENT. PER ANNUM, will be DUE and PAYABLE at the offices of the company, Crosby Hall Chambers, Bishopsgate street, London, on the 19th instant.

By order, G. V. MORGAN, Secretary.

Notice is hereby given, that an ORDINARY GENERAL MEETING of this company will be HELD at the City Terminus Hotel, Cannon street, on TUESDAY, the 3rd March, 1874, at One o'clock r.m., for the purpose of receiving the directors' report, with balance sheet, and st dement of accounts; for the election of directors and and torus acting the ordinary business of the company.

And notice is hereby further given that the Transfer Books of the Company will be closed from Wednesday, the 18th February, to Tuesday, 3rd March, 1874, both days inclusive.

By order of the Board,
T. G. GILLESPIE, Secretary.

11, New Broad street, London, E.C., 13th February, 1874.

11, New Broad street, London, E.C., 13th February,

MESSRS. CAMERON AND CO., FINANCIAL AGENTS BRIDGE STREET CHAMBERS, CHESTER.

THE KEHELLAND CONSOLS COPPER MINING COMPANY (LIMITED).

Capital £24,000, in 12,000 Shares of £2 each.

First issue of 3000 Shares.

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Mall; and 38, Eccleston-square, S.W.
THOS. II. POTTER, Esq., High Beech, Essex.
ARTHUR UPTON CHALLINOR, Esq., Hanley, Stoke-upon-Trent,
JOHN FRANCIS STAINES. Esq., M.D., Southampton-street, W.C.
BANKERS.

Messrs. TWEEDY, WILLIAMS, and CO., Redruth, Cornwall; and their London Agents, Messrs. GLYN, MILLS, and CO., Lombard-street.

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BROKERS.
Messrs. CHAMBERS and Co., 5, Southsumpton-buildings, Chancery-lane.
SECRETARY—Mr. CHARLES S. DAVIES.

5, SOUTHAMPTON BUILDINGS, CHANCERY LANE, W.C.

The object for which this company is formed is the developing a piece of ground situated in close proximity to some of the most productive and celebrated mines in the world

The object for which this company is formed is the developing a piece of ground situated in close proximity to some of the most productive and celebrated mines in the world.

The "Investor's Guardian," of Feb. 7, says—"The ground selected for operations is a set to some extent to the north-west of the celebrated West Seton and Wheal Seton Mines, and, as is well known, the Camborne mining district is one of the most productive in the world. A tabulated statement of seven of the principal mines in that district, showing the amount expended and the dividends returned, proves that an expenditure of much less than £20,000 has given more than £2,000,000 in returns. From the general character of the district, and the particular indications in the sett itself, there is fair probability of the Kehelland Consols turning out a great mining prize. This anticipation is borne out by the reports of many of the best mining captains and authorities in Cornwall.

Capt. Rutter, of Roskear, Camborne, says—"This sett may be regarded as an extension of the northern run of mines of this district—the Wheal Setons and Roskears—which have already paid such large profits." Capt. Edwin Hoskin, of Poole, says—"I have no doubt you will have a profitable mine." Capt. Joseph Wichell says—"Without a doubt on my mind it will turn out a great prize." Capt. W. C. Vivian says—"There is more than the ordinary probabilities connected with new mining ground in favour of a good discovery of copper being made." Capt. Joseith Thomas, of Dolecath Mine, says—"I consider it to be a speculation of a promising character, presenting good chances of copper one being met with at an early period." Capt. Win. Rowe, of West Frances, says—"That those who take an interest in the concern, and see that their money is legitimately and economically expended, will be amply rewarded." Capt. James Pope, of Redruth, says—"Such a piece of mining ground as this can seldom be met with in Cornwall, and I can safely recommend it as a good speculation to any company of gentlemen

Prospectuses and forms of application to be obtained from Messrs, Chambers and Co., 5, Southampton-buildings, Chancery-lane, W.C.

THE NEW EAST LOVELL TIN MINING COMPANY (LIMITED).

Incorporated under the Companies Acts, 1862 and 1867. Capital £15,000, in 6000 shares of £2 10s. each.

Deposit....... 10s, per share.

Calls 6s, per share on allotment.

And the balance as required in calls of 5s, per share at intervals of not less than three calendar months respectively from allotment.

Subscribers wishing to pay in full may do so under a discount of five per cent. Directors to be chosen from the general body of shareholders at the first meeting, the qualification being not less than 100 shares.

Mr. CHAS, BAWDEN, St. Day, Cornwall.

Mr. HENRY HIRST, 10, High-street, Camden, London.

BANKERS.
Messrs. TWEEDY, WILLIAMS, and CO., Redruth, Cornwall.
Messrs. GLYN, MILLS, and CO., London.

PROSPECTUS.

Messrs, GLYN, MILLS, and CO., London.

PROSPECTUS.

This company is formed for the purpose of working the tin property described in the accompanying reports, and which is held under leases for the unexpired term of 18 years, at a royalty of 1-20th.

This mine is situated in immediate proximity to mines of established value for tin in the Wendron district, Cornwall, and in highly congenial granite. The East Lovell Mine. The lodes in these two mines are reported by Capts. Nancarrow and Quentrall respectively to be worth £200 and £250 respectively yes that the New East Lovell Mine. The lodes in these two mines are reported by Capts. Nancarrow and Quentrall respectively to be worth £200 and £250 respectively per fathom at the lowest point reached in each mine. East Lovell, on an expenditure of about £550, has returned £25,000 in dividends; and The Lovell, which has only been worked for about three years, is already paying large dividends.

The property proposed to be purchased is only divided from the above mines by a stream, which runs between the granite hills nearly north and south, and is about £40 fms. in height by 420 fms. in width. The principal lode opened upon is termed a "carbona," and as far as worked is quite 15 ft. wide, and, although only sunk on to the depth of 5 fms. from the surface, has already produced some 500 tons of tin stuff, of an average of about 20 bs. of tin to the ton of stuff, but improving in depth, as the stuff last raised was worth 56 bs. to the ton. Another lode, 5 ft. wide, has just been cut, producing tinstone throughout.

There is ample water power for dressing and other purposes connected with returning the tin to market, and in the adjoining mine (The Lovell) this water is used for crushing and pumping; but, as in the summer it sometimes runs short, it is considered better to have steam-power.

All that is now required to bring the New East Lovell into immediate profit is to enserted better to have steam-power.

All that is now required to bring the New East Lovell into immedia

based on a price of tin quite £20 per ton less than the price which prevailed eighteen months ago.

It is intended to give the option of forming a board of directors to the shareholders at the first meeting, to be held in London, the qualification being 100 shares, thus securing for the executive such persons as are likely to feel an interest in the welfare of the mine, and, consequently, the shareholders.

A plan and section of the mine and a copy of the Memorandum and Articles of Association can be seen at the manager's office, where also, and of the secretary and bankers, prospectuses can be obtained.

Applications for shares, by letter, accompanied with the deposit of 10s. per share, must be made to Mr. CHARLES BAWDEN, St. Day, Cornwall; the secretary, 10, High-street, Camden, London; or the bankers of the company.

REPORTS.

West Gorland Mine, Jun. 17.—In accordance with your request I beg to hand you the following report of my inspection of the above mine. The sett is about half-amile in length, and the same in width; it is situated in the well-known tin producing district of Wendron. It is bounded on the west by East Wheal Lovell, where they have a lode of tin worth from £250 to £300 per fathom. On the south and west it is bounded by The Lovell, where there is at the present time the richest hunch of tin in the county for the depth. There are several lodes in the sett, intersected by a cross-course; seven of these-lodes have been opened upon. Their present operations are confined to the sinking of a shalt in the central part of the sett, where there is a lode 14 ft. wide, and no north wall, which is tinny throughout, and in every foot they are sinking it is improving, and showing signs that will, I believe, ultimately lead to a rich bunch of tin, judging from the discoveries they have made in the adjoining mines, as the backs were similar in character. In conclusion, I beg to remark that I was much pleased with the prospects of the mine, and seeing the fine champion lode that is now being wrought on at such a shallow depth, and contiguous to the mines that have produced such rich bunches of till. I consider it a mine of very extraordinary promise, and one, in my opinion, that will, in a very short time, amply repay the fortunate shareholders for embarking in such an undertaking.

The Lovell Mine, Jun. 16, 1874.—I have, according to your request, examined

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in such an undertaking.

The Lovel! Mine, Jun. 16, 1874.—I have, according to your request, examined this mine, which is situate to the east, and a joining East Lovell, and The Lovell rich mines; the lodes of Old Wheal Lovell, East Lovell, and The Lovell pass through the sett, which lodes have been, and still are, the most productive of the district. It is in the same geological formation, and is traversed by similar cross-courses as the mines hamed, where the lodes are now valued at from 2500 to 250 per fathom. There are seven lodes discovered in the sett, three of which have been opened on as deep as the water will admit; they are from 4 to 5 ft, which, and will produce tin throughout. On the north lode, or carbona, a shaft is being sunk 6 fathoms below the surface; here the lode is 14 ft, wide, and will as they sink. I broke samples from the bottom which gave a produce of 2 qrs. of

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Lovell, south richest tt, insir prene sett, ghout, will, I se they In conmine, hallow of tin, n, that arking In E. amined Lovell II pass of the recessory been not will g sunk quality quality quality quality quality quars.

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black tin to the ton of stuff; this I consider to be a good average. Any quantity of this quality stuff can be taken away at a very small cost, and I strongly recommend the immediate erection of stamping power. I beg to say that after due and careful consideration of the prospects presented that it cannot fail to amply remunerate the shareholders for the required outlay, it being a fac simile to the great deposit of tin now being wrought in this mi 10 (The Lovell).

EDWARD KEMPTHORNE.

TO CARITALISTS, FINANCIAL BROKERS, & OTHERS. TO CARITALISTS, FINANCIAL BROKERS, & OTHERS.

THE OWNERS of an EXTENSIVE MINE in CORNWALL wish to arrange with one or two Gentlemen who will JOIN in FORMING COMPANY to WORK IT. The property is supplied with matchinery and every modern appliance for making large monthly returns. There will be ample margin for anyone floating a company.

Full particulars can be given on application to Mr. WARWICK, 25, Bucklersbury, London, E.C.

TO COLLIERY OWNERS, AND OTHERS. O BE SOLD (cheap), a FIRST-CLASS SECOND-HAND SINKING ENGINE, having a pair of 8 in. cylinders, with winding drum,

complete.

For full particulars and prices, apply to ROBEY AND COMPANY (Limited), Engineers, Lincoln.

SILVERINE—THE NEW PATENT ALLOY.

TO BE SOLD, THREE HUNDRED AND SIXTY (fully paid)
SHARES in PIRSCH'S SUVERINE COMPANY.

Apply to "V.," 190, Edgware-road.

TO INVESTORS.

TO INVESTORS.

TWO SPLENDID OPPORTUNITIES SUCH AS ARE SELDOM MET WITH—the one, a COTTON SPINNING CONCERN, ready for IMMEDIATE WORKING, and stocked with the most VALUABLE MACHI NERY, principally new—the other, a LARGE IRONMONGERY BUSINESS, at present and for the past 22 years in ACTIVE TRADE, and which has always realised very large profits—ARE NOW OFFERING.

Bond fide investors only are invited to apply for interests therein. Adventitious investors, speculating with the object of receiving promotion money, will not be treated with.

treated with.

Those only who desire to secure a permanent income on a moderate investment, seed apply personally, or address by letter—

MR. HALLAS, PUBLIC ACCOUNTANT, 32, FAULKNER STREET,

MANCHESTER,

Who will furnish the fullest information, and to probable investors furnish letters of introduction to view the properties.

BARYTES (SULPHATE OF), CRUDE OR GROUND, Apply to Force Crag Lead and Barytes Mining Company, 69, Close, Newcostle-on-Tyme.

RAILS (IRON) FOR SALE.

NEW PERFECT FLANGE RAILS, 40, 60, 72, 74, and 751 lbs, per yard; also, SLIGHTLY DEFECTIVE FLANGE RAILS, 40, 59, 72, and 74 lbs, per yard.

For particulars and prices apply to W. G. Fossick, 6, Laurence Pountney-hill,

RAILS FOR SALE, in great variety of sections (perfect, and the other NECESSARY FITTINGS.

Apply to BREYEN, RICHARDSON, and Co., Newcastle-on-Tyne.

NEW PAIR HORIZONTAL WINDING ENGINES FOR

SALE, 30½ in. cylinder, 30 ft. stroke, 6 ft. drum—instant d John Moore, 40, Lloyd-street, Albert-square, Manchester.

A IR COMPRESSING MACHINERY FOR SALE.—
ONE AIR COMPRESSOR, complete, cylinder 16 in. by 30 in.: ONE HORIZONTAL ENGINE, with feed pump and governor, complete, suitable for driving the above compressor; ONE AIR RECEIVER, 3 ft. 4 in. by 13 ft. 4 in.; ONE TURNED PULLEY, 5 ft. 6 in. by 13 in. Made by Messrs, P. and W. Maclellan, Trongate, Glasgow. The above are ready for delivery, and are quite new. They have been made to the special order of a company not now requiring such machinery. Invoice cost, £455.
For further particulars, apply to John G. Barry, Esq., 8, Old Jewry, London, E.C.

STEAM ENGINES AND STAMPS FOR SALE.—
ONE 50 in. cylinder PUMPING ENGINE, 9 ft. stroke, equal beam, with ONE BOILER, crab winch, and first piece of main rod.
ONE cast iron BALANCE BOB, with hanging rod.
ONE 24 in. cylinder WINDING ENGINE, 8 ft. stroke, with iron drawing cage, and ONE BOILER, complete.
36 heads of STAMPS, with stands, frames, lifters, &c.
Apply to WM. LANGDON, Northumberland Foundry, Launceston, Cornwall.

MINING MACHINERY.

MESSRS. F. W. MICHELL AND CO. have FOR SALE several CORNISH PUMPING, STAMPING, and WINDING ENGISES, of different sizes; BOILERS from 6 to 12 tons each; PITWORK of all sizes; CORNISH CRUSHERS; STAMP AXLES; IRON FLAT-RODS; STRAPPING PLATES; and other MATERIALS in general use in Mines, &c.

EAST CARN BREA, REDRUTH, CORNWALL.

PIT SINKING, &c.

PIT SINKING, &C.

OR SALE (ready for delivery), an 18-horse power and a 25-horse power PORTABLE STEAM ENGINE, fitted with link motion, reversing gear, &c.

A 35-horse power PORTABLE MINING ENGINE is in a forward state, and can be supplied in three weeks.

WINDING DRUMS and GEAR in stock, and to order on short notice.

Also, ordinary PORTABLES of all sizes, VERTICAL ENGINES, MORTAR MILLS, SAW TABLES, &c., on advantageous terms.

Beveral good SECONDHAND PORTABLE ENGINES FOR SALE.

BARROWS AND STEWART, ENGINEERS, BANBURY.

FOR SALE, together or separately, TWO PAIRS of horizontal, direct acting, double action condensing PUMPING ENGINES, and FIVE 35 horse power BOLLERS, and fittings; engines, 35½ in. cylinders, 36 in. stroke; pump, 21 in., 36 in. stroke; fly wheels, 14 ft. diameter. About 12 tons each, delivering 5700 gallons per minute, 150 ft. high. Have been very little used. For further particulars, address W. P. FRANCE, Priory Lodge, Peckham.

WATTS, RICHARDS, AND CO.,
PITWOOD MERCHANTS,
PENNER WHARF, NEWPORT, MONMOUTHSHIRE
AGENTA AT SWANSEA:

STEPHEN AND DESCRIPTION OF THE PROPERTY OF THE PROPERTY

STEPHEN AND REES, SAW MILLS, GREENFIELD STREET.

Importers of every description of wood for colliery purposes GREENER AND ELLIS' IMPROVED FETTLING FOR PUDDLING FURNACES is now in active operation at the SKERNE IRONWORKS, DARLINGTON, and LICENSES may be had for USING the PATENT on appleation to T. GREENER, STATION STREET, DARLINGTON. The improved yield and quality of iron produced, and the economy effected by the process, render its speedy universal adoption, in these times, a matter of ne essity and certainty.—Darlington, January, 1874.

M R. R. PERCY ROBERTS,

FINANCIAL AGENT,

GO. ENGLISH STREET, CARLISLE.

C A P T A I N A B S A L O M F R A N C I S,
GOGINAN, ABERYSTWITH,
The great success which is attending the opening and working of the Mines in
the counties of Cardigan and Montgomery, and the many properties placed at the
disposal Capit. ABSALOM FRANCIS, induce him to offer his services either to
ADVISE, INSPECT, REPORT, or SURVEY, for Mining Companies or private
shareholders. hareholders.
For terms, apply to Capt. Absolom Francis, as above.

M R. CHARLES F. COLLOM
MINING ENGINEER, INSPECTOR OF MINES, &c. TAVISTOCK.

MANAGEMENT OF THE SOUTH DEVON FIRE-CLAY COMPANY.

Patentee of COLLOM'S PATENT REVOLVING FRAME for DRESSING TIN, AMALGAMATING GOLD, &c.

INVESTMENTS IN MINES ARRANGED FOR CAPITALISTS.

MESSRS. GROSVENOR AND CO., SHAREBROKERS, 88, PORTLAND STREET, MANCHESTER, beg to inform their client and the public in general that they have for sale a few shares in each of severa most promising Progressive Mines, which they fearlessly assert will shortly return to investors enormous profits on a small outlay and at a nominal risk.

MESSRS. TREDINNICK, 32. FLEET STREET, LONDON.
BANKS, RAILWAYS, MINES, GAS SECURITIES, and MISCELLANEOUS.
Consultations (personally), Twelve to Three. Enquiries answered, and Selected List gratuitous upon application.
Messrs. TREDINNICK deal in Great Western, Northern, London and North-Western, and Midland Stocks, London and Westminster, Union, Joint Stock, and London and County Banks, Water, Docks, Gas, Insurance, Telegraphs, and Miscellaneous.

cellaneous.

Messars. TREDINNICK deal in sound British Mines, and are buyers of shares in Roman Gravels. Tankerrille, Van, Dolcoath, Tincroft, and Van Consols. Sound progressive shares can now be purchased with advantage. These are sure of an advance rapidly.—82, Fleet-street, London, E.C.

In the Court of the Vice-Warden of the Stannaries.

Stannaries of Cornwall.

In the MATTER of the COMPANIES ACTS, 1862 and 1867, and of the ST. BLAZEY CONSOLS TIN MINE (LIMITED).—Notice is hereby given, that a PETITION for the WINDING-UP of the ABOVE NAMED COMPANY by the Court was, on the 10th day of February instant, presented to the Vice-Warden of the Stannaries, by William Harvey, Henry Whitford, William West, William John Rawlings, William Husband, Francis Harvey, and Nicholas James West (carrying on business at Hayle, within the said Stannaries, as General Merchants, under the style or firm of "Harvey and Co."), creditors of the said company, and that the said petition is directed to be heard before the Vice-Warden, at the Prince's Hall, in Truro, in the county of Cornwall, on Wednesday, the 25th day of February instant, at Twelve o'clock at noon.

Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days' notice to the petitioners, their solicitors, or their agents, of his intention to do so, such notice to be forthwith forwarded to P. P. Smith, Esq., Secretary of the Vice-Warden, Truzo.

Every such contributory or creditor is entitled to a copy of the petition and affidavit verifying the same, from the petitioners, their solicitors, or their agents, within 24 hours after requiring the same, on payment of the regulated charge per folio.

Affidavits intended to be used at the hearing, in opposition to the petition, must.

folio.

Affidavits intended to be used at the hearing, in opposition to the petition, must be filed at the Registrar's Office, Truro, on or before the 23rd day of February inst., and notice thereof must, at the same time, be given to the petitioners, their solicitors, or their agents.

HODGE, HOCKIN, AND MARRACK, Truro, Cornwall (Solicitors for the Petitioners).

GREGORY, ROWCLIFFES, AND RAWLE, 1, Bedford-row, London (Agents of the said Solicitors).

Dated Truro, 12th February, 1874.

TUESDAY, FEBRUARY 17TH, 1874.

CARZISE MINE, MACHINERY AND MATERIALS, FOR SALE.

TR. H. V. NEWTON, Auctioneer, Valuer, &c., Polstrong Farm, Camborne, is instructed to SELL, BY PUBLIC AUCTION, on Tuesday, the 17th instant, at Twelve o'clock noon precisely, at CARZISE MINE, in the parish of Crowan, all the

MACHINERY AND MATERIALS
THEREON, COMPRISING—

THEREON, COMPRISING—
in. cylinder PUMPING ENGINE, with THREE BOILERS, 12 tons each,

THEREON, COMPRISING—
A 70 in. cylinder PUMPING ENGINE, with THREE BOILERS, 12 tons each, and iron balance bob, 13 tons.
A 20 in. cylinder WHIM ENGINE, with ONE BOILER, 10 tons, and two large fly wheels, whim cage, and powerful steam capstan attached.
Shears, 63 feet high, with two shieves, 3 tons each.
Capstan rope, about 120 fms.
1 18 in. 4 ft. ditto.
1 18 in. 4 ft. ditto.
1 18 in. 1 ft. ditto.
1 14 in. 3 ft. ditto.
1 14 in. 3 ft. ditto.
1 14 in. 3 ft. ditto.
1 19 in. Hold it be supposed in the standard of the standard

great quantity of timber, wood sheds, &c.
Also the ACCOUNT-HOUSE FURNITURE.
The above will be offered in One Lot, at Twelve noon precisely, and if not then
old, the Auctioneer will proceed at once to sell in lots, to suit the convenience of

purchasers.

Refreshments will be provided.

Refreshments will be provided.

To view the above, apply to the Agent, on the mine; and further information be obtained on application to W. Page Carbozo, Esq., the Purser mine; Capt. C. Carkerse, Camborne; or to the Auctioneer, Camborne.

Dated February 2nd, 1874.

LEEDS AND ST. AUBYN MINES. TUESDAY, THE 24TH FEBRUARY, 1874.

MR. R. H. CADE WILL SELL, BY AUCTION, on Tuesday, the 24th day of February instant, commencing at One o'clock in the afternoon precisely, at the LEEDS AND ST. AUBYN MINES, in the parish of Germoe, the WHOLE of the

precisely, at the LEEDS AND ST. AUBYN MIXES, in the parish of Germoe, the WHOLE of the

MINE MACHINERY AND MATERIALS, consisting of—
A 33 in, cylinder ROTARY PUMPING and STAMPING ENGINE, 9 ft. stroke, with two fly wheels and TWO BOILERS, 12 and 10 tons each.

TWO IRON STAMPS AXLES, with 16 heads each, frames, stands, &c., complete. AT KENPALL'S SHAFT.—4 10 in, 9 ft. pumps, 1 9 in. working, 1 9 in. doorpiece, 19 in. windbore, 62 fms. 1½ in. round iron rods, wood balance bob, 24 ft. brasses, &c., complete, 12 fms. iron stave ladders, iron set off, flange and door boits, pumprings, 12 fathems double skip road, horse whim, shaft tackle and chains, 2 skips.

AT WILSON'S SHAFT.—11 7 inch 9 ft. pumps, 16 in. working, 16 in. doorpiece, 16 in. windbore, 36 fms. 1½ in. iron rods, 4 9 ft. 9 in. pumps, 10 7 in. 9 ft. 9 in. doorpiece, 18 in. windbore, 25 ft. shieves, 5 9 ft. 9 in. pumps, 10 7 in. 9 ft. 18 in. doorpiece, 18 in. windbore, 25 ft. shieves, 5 9 ft. 9 in. pumps, 10 7 in. 9 ft. 18 in. plunger pole, with stocking, 19 in. H and top doorpiece, 18 in. windbore, 20 fms. 8 in. wood rods, iron balance bob, with king post and straps, 8 arm capstan, with iron axle complete, capstan chain, shears and shieves, horse whim and shaft tackle, whim chain and kibbles, 26 in. bucket prongs, flange and doorpins, pump rings, 2 8 in. bucket prongs, with clacks, 19 in pole case, 18 in stuffing box and gland, 30 rod pins, rod plates, 50 fms. iron stave ladders, 55 fms. 2 in. round iron rods, 26 fms. 25 in. ditto, 4 arm angle bob, 8 fms. 8 in. wood rods, 45½ in. rod plates, 50 fms. iron stave ladders, 65 fms. 2 in. ditto, 4 arm angle bob, 8 fms. 8 in. wood rods, 45 ft. shieves.

AT PAUL'S SHAFT.—1 10 ft. whim cage, 4 6 in. pumps, 16 in. doorpiece, 14 ft. windbore, 14 ft. 9 working, 23 ft. shieves.

AT PAUL'S SHAFT.—1 10 ft. whim cage, 4 6 in. pumps, 1 6 in. doorpiece, windbore, 1 6 in. 9 ft. working, 3 4 ft. sheaves, triangles and chain, 6 fm launders.

windbore, I 6 in. 9 ft. working, 3 4 ft. sheaves, triangles and chain, 6 fms. 6 in. launders.

At Bafflan's Shaff.—I 10 ft. whim cage, with chain and kibbles, 12 fathoms 1½ in. rods, 17 fm.. iron stave ladders, 4 4 ft. shieves, 24 2 ft. ditto, 55 fms. 1½ in. drund iron rods, 40 fms. 2 in. ditto, 10 fms. 1½ in. ditto, 55 fms. 1½ in. ditto, 15 fms. 1½ in. dorplece, 1 6 in. windbore, 1 4½ ft. matching, 1 7 in. 4½ ft. ditto.

In Smith's Shipp.—Smiths' tools, 40 in. bellows, anvil. vice, mandril, old steel, screwing tools, taps, 40 ½ wrests and plates, metal bell and stand, screw stocks, grinding stone.

In Dressing House and on Floors.—I water wheel, with driving gear for buddles, 2 centre head round buddles, 2 hand ditto, 1 cleaning frame, 16 flat self-acting frames with 7 covers, 2 hand frames, 11 flat frames, with their and covers, 16 self-acting frames, with covers, &c., 1 ditto, 2 buddles, in hutch, 7 40 in. kieves, 2 36 in. ditto, 1 30 in. ditto, 7 bottoms, 12 barrows, 30 shovels, 7 rakes, 3 tin copper bottoms, 2 stathoms 11 in. launders, 20 fathoms 14 in. ditto.

In PITMAN's HOUSE.—Vice, cross-cut saw, pit saw, 2 carpenters' benches, 12 feet flat-thread screws, with bar, &c., 1 11 in. plunger pole, with stecking, 1 12 in. plunger lole, with stecking, 1 12 in. plunger, 1 11 in. windbore, 5 11 in. pumps, 1 small angle bob, 2 8 in. pumps, flange bolts, pump rings, stuffing-box and gland, old scrap wrought-iron, old ditto, cast ditto, old wood houses. All the tin leavings on the inne.

The above will be sold in lots to suit the convenience of purchasers.

The above will be sold in lots to suit the convenience of purchasers.

For further particulars apply to F. R. WILSON, Esq., 20, St. Helen's place, London,
E.C.; to Capt. J. Cuetts, on the mine; or to

Dated 10th February, 1874.

R. H. CADE, Auctioneer, Helston.

LANIVET, NEAR BODMIN, CORNWALL.

IMPORTANT SALE OF FREEHOLD AND MINERAL PROPERTY TO BE SOLD, BY PRIVATE CONTRACT, THE FEE-SIMPLE and INHERITANCE of the

and INHERITANCE of the

ESTATE OF TRETOIL,

In the parish of LANIVET, near BODMIN, CORNWALL. The land on sale is now in the occupation of the owner, Miss Susan Henvood.

The Estate consists of a good Farm House, Barn, Stable, and other convenient outhouses; Engine-house, Dryhouse, and Mine Stack, and about 47 acres of excellent meadow and pasture land; together with certain Mining and other Mineral Rights under the last-mentioned Estate, as well as under and throughout the enclosed Farm of Tretoil, now occupied by Mr. John Johns, and which also contains about 47 acres of land—the entirety of the enclosed Mineral Rights extending over more than NINETY ACRES OF LAND, together also with the Mineral and other Rights connected with the common attached to the above estate.

The Tretoil Mine is well known, and yields Copper, Tin, and other Minerals of exceedingly good quality, in great abundance.

This mine has been surveyed by several experienced and practical mining agents, whose reports will prove it to be a more than ordinary valuable mineral property, capable of being worked with a ranall capital, and made immediately and richly remunerative. This is apparent when the fact is considered that two diverse soils here come in contact, the granite and killas meeting in peculiar geological proximity in this property.

The proprietor, being a lady, prefers selling this valuable estate rather than

here come in contact, the granite and killas meeting in peculiar geological proximity in this property.

The proprietor, being a lady, prefers selling this valuable estate rather the working the same, or granting any sett thereof, and will afford every requisite information to any person (bona fide) desirous to treat for the purchase, and will give immediate possession on the settlement of the purchase.

Particulars and plan of the property may be seen on application to the owner, at Trevoil; or to Messrs. Thos. and H. Henwood, Perrose, St. Issey, Wadebridge.

Dated Feb. 11, 1874.

FOR SALE, ready for immediate delivery, ONE NEW STEAM DONKEY FEED PUMP; inverted cylinder 10 in. diameter by 12 in. stroke, working a 6 in. diameter brass plunger, chamber brass lined, valves brass. For price and particulars, apply to Prascod and Taylor, Engineers, &c., 44, Dean-street, Newcastle-on-Tyne.

GLAMORGANSHIRE.-FREEHOLD COAL PROPERTY FOR SALE MESSRS. GRAHAM AND SON (of Newport) WILL SELL, BY AUCTION, at the Westgate Hotel, Newport, Monmouthshire, on Friday, 6th March, 1874, at Twelve at noon precisely, all that FREEHOLD FARM and LANDS, called

GIL-FACH-FAR-GOED FACH

GIL-FACH-FAR-GOED FACH

including COED COVER), situate in the parish of GELLIGAER, in the county
of GLAMORGAN, and containing an area of 62A. OR. 36P., or thereabouts; the
surface whereof (except 1a. 3R. OP., taken by the Rhymney Railway) is now in the
occupation of George Batters, Esq., and Mr. David Williams, at the respective
annual rents of £44 and £28, and also a way leave of one penny per ton on all coal
passing through the property.

This property is intersected by the Rhymney Railway, and is thus connected
with the shipping port of Cardiff (18½ miles distant) and Rhymney, and also the
important iron-making districts of Tredegar, Sirhow, Ebbw Vale, Nanty-Glo,
and Blaenavon. By means of the Bargoed Rhymney Railway and its connections
access is given to Dowlais and Merthyr.

This property contains all the seams of coal of the Merthyr Tydfil district. The
Mynyddysllwyn seam has been nearly worked out under the property, but that
well known as the Birthdir seam, it is believed, will be found there at a depth of
not more than 250 yards, as it is now being extensively worked in the Rhymney,
the Rhymney Bargoed, and Taff Bargoed Valleys.

This seam, at the Darran Pit, two miles north of this property, proves from
3 ft. 8 in. to 3 ft. 9 in. thick, in one solid block of coal, with excellent rock top. At
the new Cefn Brithdir Pit it proves about the same thickness, and equally good in
quality.

The Beithdir coal is highly bituminous, a good coking coal, and in great demand

The Brithdir coal is highly bituminous, a good coking coal, and in great demand

for iron-making.

The steam coals, as worked by the Dowlais Iron Company at the Fochriw Pits, and by the Powell's Duffryn Colliery Company (Limited), at their New Tredegar Pits, will doubtless be found under this property at a depth of from 500 to 600 Area were sale offers a rare opportunity of buying a freehold coal property, such as very seldom occurs.

as very seldom occurs.

Printed conditions of sale, with plan of the property, &c., and all further particulars, may be had on and after Monday, 16th February, 1874, on application to
the Auctioneers, at Newport: Charles Henry James, Esq., Mining Engineer,
8, Courtland Terrace, Merthyr Tydfil; or to C. F. and G. James, Solicitors, Merthyr
Tydfil.—February 9, 1874.

IN LIQUIDATION.

THE REAFADDA MINING COMPANY (LIMITED). TO BE SOLD, BY TENDER, the ESTATE and INTEREST of the above company in the COPPER MINES, situate in the parish of HOLTFORD, county of TIPPERARY, known as the

HOLYFORD, county of TIPPERARY, known as the

"REAFADDA" or "HOLYFORD" MINES,

With the RIGHTS, &c., thereto belonging, comprised in a lease for 35 years, from
the 25th day of March, 1871, at a royalty of 1-16th for copper ore and 1-12th for
lead and other ore, &c., and subject to the covenants and conditions contained
therein.

therein.

The horse whim, plant, and tools may be seen on application to Mrs. Alice Hayes, at the farm adjoining the mine, which is about ten miles from the Limerick Junction Station, having a good road thereto.

Scaled tenders to be endorsed and sent to the Liquidator, up to Three P.M., on Wednesday, the 25th instant, but he does not bind himself to accept the highest or any tender.

or any tender.

A copy of the lease can be inspected at the office of the Liquidator, where also ther information may be obtained.

WILLIAM ALDRED, Liquidator,

28, Pall Mall, Manchester.

IN LIQUIDATION.

GREAT SOUTH CHIVERTON SILVER-LEAD MINING COMPANY (LIMITED).

THE LIQUIDATORS of the above Mine invite TENDERS for the PURCHASE of the MACHINERY and PLANT, comprising a 40 in. PUMPING ENGINE, PITWORK, TACKLE, &c., complete, and in perfect order, as also the LEASES and BUILDINGS, particulars of which may be had on application to either of the Liquidators,—

HENRY GHAPMAN, Finsbury-square-buildings, London, E.C. Capt. JOHN NANCARROW, Camborne, Cornwall.
Tenders will be received up to the 28th Pebruary, 1874.

Dated this 12th day of February, 1874.

THE WYE LEAD MINING COMPANY (LIMITED).

NOTICE IS HEREBY GIVEN, that ALL the MACHINERY, &c., on the above MINE are OFFERED FOR SALE, BY TENDER, sonsisting of 40 ft. WATER WHEEL, with DRAWING and CRUSHING MAZHINES, WIRE ROPE, &c.; line of PUMPING RODS, and about 40 fms. of 8-in. PUMPS, complete; about 4½ tons 16 lbs. bridge rails; tram wagons; kibbles; miners' and smiths' tools, &c., &c.

Tenders to be sent, addressed to the Undersigned, 8, Austinfriars, London, E.C.,

a or before the 2nd day of March, 1874.

Dated January 29, 1874.

JOSEPH JOHN PYNE, Liquidator.

GREAT ROCK LEAD MINING COMPANY.

IN LIQUIDATION

MINING MATERIALS AND MACHINERY.

MINING MATERIALS AND MACHINERY.

FOR SALE, the SOUTH PLYNLIMMON LEAD MINE MACHINERY, PLANT, and MATERIALS, comprising a 40 ft. WATER-WHEEL, 4 ft. breast: 60 fms. 2½ in. round iron rods, with joints and pulleys; shaft and balance bobs; two 9 in. drawing lifts, complete, together 43½ fms. and 13½ fms.; 7 in. drawing lift, complete; capstam, with wire rope and shears; drawing machine, with wire rope: crusher; 100 fms. tram iron; and a variety of other useful materials, all in excellent condition.

The property is situate at Eisteddfa, on the main road, about midway between Llandiloes and Aberystwith.

Tenders for the whole, or any part thereof, will be received up to Twelve o'clock at noon on Thursday, the 5th day of March next, addressed to Mr. W. F. Richards, and 5, Great Winchester street-buildings, London, E.C., from whom full particulars may be obtained.

For yiewing, apulication, should be made to Contact W.

may be obtained.
For viewing, application should be made to Captain Walters, on the mlne,
Eisteddfa, Ponterwyd, near Aberystwith.
The Liquidators do not bind themselves to accept the highest or any tender.

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N SALE, a very valuable PROPERTY, consisting of FIFTY-SIX
ACRES of COALS and IRON ORE, situated at SELSTON, NOTTINGHAMSHIRE, and within 1400 yards of a part of the Great Northern Railway now
being constructed, and within 1700 yards of the Midland Railway, and within
300 yards of the Butterley Company's tramway.

To any capitalist or company disposed to indertake the development of this
property unusually favourable terms cambe had, and it is believed that the outlay
would not be large.

An authentic report can be furnished on application to John Berrie, Esq.,
Culcheth Hall, Newton Heath, near Manchester.

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TO BE SOLD, PART or ENTIRE (former preferred) of a COLLIERY ROYALTY in NORTH WALES, bordering on the London and North-Western Railway, and close to a shipping port. There are several shafts partially sunk, some requiring to be sunk still deeper, but operations stopped for want of capital. There are four seams of good house and steam coal proved in an area upwards of 400 acres of surface. Holder will sell the entire, including the present plant (not sufficiently powerful for sinking further) for £4000, but would prefer taking a PARTNER, who would advance the necessary capital for half profits, which in the present state of the coal trade are almost fabulous.

Address, "Vulcan," care of Mr. Watson, 15, Fenwick-street, Liverpoot.

TINE OPPORTUNITY FOR MAKING A FORTUNE.

OBE SOLD, PART or ENTIRE (former preferred) of a COLLIERY ROYALTY, of about 170 acres, in NORTH WALES. The pit is sunk 40 yards deep to the seam containing the best description of Cannel. There are six other seams of good coal (the first being King Coal, only 14 yards under it) known to be beneath this seam. Its situation being half a mile from a railway station, and also admirably adapted for land sale, close to excellent roads, the working expenses, royalty, rent, and outlay small for a probable get in a few weeks of 400 tons daily at an almost fabulous profit, render the present undertaking one well worthy the immediate attention of capitalists, coal dealers, gas manufacturers, or colliery proprietors.

Address, "Q. E. D.," care of Mr. Water 15. Touch 15. FINE OPPORTUNITY FOR MAKING A FORTUNE. colliery proprietors.

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For particulars, apply to Joseph Dodde, Esq., M.P., No. 4, Spring-gardens, Charing-gross, London, S.W., and Stockton-on-Tees; or Mr. Thomas J. Bewick, C.E., No. 4, Queen-square, London, S.W., and Haydon Bridge, Northumberland.

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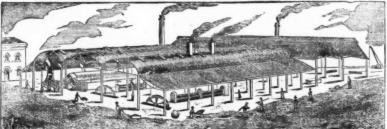
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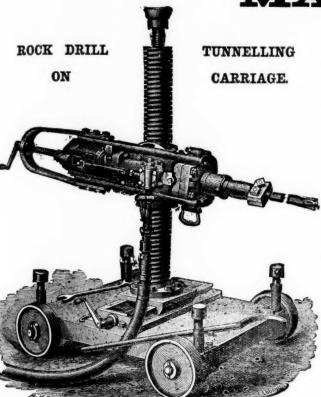
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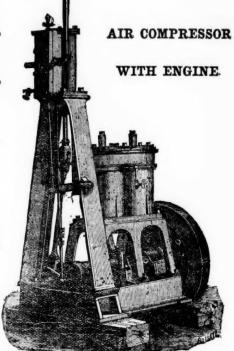
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(Copy.) Crossfield Iron Ore Works, Crossfield Moor Row, via Carnforth, Sept. 8th, 1873.

Dear Sirs,—In reply to yours of 2nd inst., I am sorry I have not time to go into the comparative results of hand labour in sinking with that of the work done in the progress of our sinking operations.

Dear Sirs,—In reply to yours of 2nd inst., I am sorry I have not time to go into the comparative results of hand labour in sinking with that of the work done in the progress of our instance in the progress of our I am, yours truly,

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		Shares Mines Paid Last Pr. Clos. Pr 25000 Aberdaunant, Lianidloes* 1 0 0 2½ 2 2½ 10000 Aberystwith,* s-t, Cardigan 4 0 0 - 18000 Ambrose Lake, t, c* 110 0 - 12000 Assileton, t, Carnarvonshire* 5 0 0 2 2 2½	12000 Tamar Consols, s-l, Lifton, Devon 1 0 0 1515.15.				
	DEND MINES, Last Pr. Clos. Pr. Total divs. Per share. Last paid 11 16 8 0 5 0 Oct. 1873	18000 Ambrose Lake, t, c* 1 10 0	3526 Tin Valley, I, bar., Bridford				
20000 Alt-y-Crib, l, Talybont*	Last Pr. Clos. Pr. Total dies. Per share. Last paid ———————————————————————————————————	12000 Bedford United, c, Tavistock	547 Trelyon Consols				
200 Botallack, t, c, 8t. Just	65 60 65 619 15 0 5 0 0 Aug. 1872 25 110 0 0 2 3 Jan. 1872 2 14 6 0 6 0 Nov. 1873	12000 Bog, t, Shropshire* (1000 reserve)	13000 Treton, 7, 1, Bodmin				
8348 Cargoll, s.l, Newlyn 4 16 11 6400 Cashwell, l, Cumberland* 2 10 0 7500 Castle an Dinas, t, St. Columb* 2 0 0	1½ 7½ 1 4 16 3 0 12 6Oct. 1872 — 1 4 0 0 4 0Aug. 1872 0 10 0 0 2 0July 1873	30000 Brynn,*'t, 8t, Austell	6000 Unity Wood, f, c, Kenwyn. 2 7 6. 5. 15. 15. 15. 15. 15. 15. 15. 15. 15.				
6000 Carn & Jane, l.* Penrhyndendraeth 5 0 0 2450 Cook's Kitchen, l. Illogan	— 0 7 6 0 7 6 June 1873 11 8 9 11 17 0 0 7 6 June 1873 2 1½ 1½ 116 10 0 0 12 0 May 1872	6000 Bwadrain, 4-f, Cardigan* 512 6 5094 Bwich Consols, 8-f, Cardigan* 4 10 0 12000 Cae Gynon, I, Cardiganshire* 2 0 0 ½ ½ 3/2 30000 Caldbeck Fells, I, Cumberland* 2 0 0	2000 Victoria, r. Ferranzabiloe 1 0 0				
10000 East Balleswidden, t, Sancreed* 1 0 0 6144 East Caradon, c, St. Cleer* 21 4 6 200 East Balleswidden, t, Sancreed* 21 4 6 200 East Caradon, c, St. Cleer* 200 East Caradon 200 East East Caradon 200 East East East East East East East East	50 44 46 104 4 2 0 12 6Jan. 1874 1½ 1½ 2 0 2 11. 0 0 5Feb. 1874 1½ ½ 1 14 19 0 0 2 0Oct. 1872 1½ ½ 1 121 10 0 1 0 0Jan. 1874	256 Calvadnack, t, Redruth 15 0 0. 3½. 2 2½ 14000 Caradon and Phenix Consols, c 1 0 0 5584 Carn Camborne, c, t, Camborne 5 3 6 ½ ½	110502West Caradon, c, 8t. Cleer*†]				
6400 East Pool, t, c, Illogan 0 9 9 5000 Exmouth, s-l, Christow 0 7 6 2800 Foxdale, l, Isle of Man*t 25 0 0	9 8 9 13 11 3 0 2 6 May 1873 0 1 0 0 1 0 May 1873 80 15 0 0 10 0 Sept. 1872	10000 Catsus Gate; 7, 87, Colomb 1 0 0 1 10 0	1 8 0 3 3 2				
40000 Glasgow Cara., c* (30,000 £1 p., 10,000 15s. p.] 15000 Great Laxey, l, Isle of Man*	0 4 10 0 1 0 Sept. 1873 13½12½ 13½ 16 11 0 0 10 0 Oct. 1873 1¾ 1½ 1½ 0 1 0 0 10 Sept. 1873 2 1½ 1½ 15 10 8 0 2 8 Sept. 1873	10000 Central Van,* i, bi, Llanidloes	8750 WestJewell, f. Gwennap*(pref. ½prem.) 1 0 0 1½ 1 ½ 10000 West Llangynog, s-l, Montgomery 2 0 0 12000 West Maria & Fortescue, t, c, Lamer. 4 7 6 36 ½ 3				
6400 Green Hurth, I, Durham*	5½ 5½ 6 1 4 0 0 4 0Nov. 1873 4½ 4 4½ 62 5 0 0 15 0Oct. 1872 1½ 1 1½ 4 3 0 0 5 0Dec. 1872	30000 Cwm Elan, I, Radnorshire* 1 0 0 15000 Cwm Nant Ddu, I, Montgomery 1 0 0 10000 Cwm Ricket and Maesanati, I, Mont. 2 11 0	12000 West Pant-y-Go, s-f, Flint* 1 0 0 3/5 3/5 3000 West Phenix, f, Linkinherne 0 13 0 1403 West Polbren, f, St. Agnes 3 5 0				
25000 Killaloe, st, Tipperary	74 78 74 0 5 11/2 0 0 6Mar. 1873 561 10 0 1 0 0 Jan. 1874 0 17 6 0 1 6 Jan. 1874 35 30 35 65 5 8 0 4 0 Oct. 1873	256 Cwmystwith I, Cardiganshire	10000 West Roskear, f, s-l, ol., c, Camborne. 0 2 0 34 36 34 12000 West Stiperstones, f, Salop* 1 0 0 12000 West Tankerville, l, Salop* 3 0 0 24 27				
20000 Mining Co. of Ireland, cl, c, l, 7 0 0	6½ 5½ 6½ 0 8 0 0 3 6 July 1872 0 12 6 0 2 6 Jun, 1874 4 13 0 0 12 0 Sept. 1873 3 2 2½ 0 5 0 0 5 0 Nov. 1871	656 Ding Dong, t, Gulval	2000 West Wheal Lucy, t, c, Lelant 1 10 6 21/3 5000 West Wheal Gorland, t, c 3 0 0 21/4 11/4 2 600 West Wheal Seton, c, Cambornet 55 15 0 25 20 22				
12000 North Hendre, I, Wales	3 2 2½ 0 5 0 0 5 0 Nov. 1871 2½ 2 2¼ 3 3 0 0 2 0Jan. 1874 1 ½ ¼ 0 1 0 0 1 0 Nov. 1873 5 5½ 39 19 10 0 4 0Nov. 1872	10000 Duchy Great Consols, c, Caistock 3 0 0 1/2 1 1 1/2 10000 Dunsley W. Phoenix, t, Linkin.* 2 0 0 - 1 15000 Dyliffe, 1, Montgomeryshire 6 0 0 7 6½ 7 512 East Basset, c, Redruthf 6 6 10 0 1 1 9 11	6000 Wheal Argus, f, Bancreed 912 0. 1½ 1 1½ 6000 Wheal Argus, f, Sancreed 010 0. 1½ 1 1½ 25000 Wheal Arthur, f, c, Calstock* 1 0 0. 741 Wheal Basset and Grylls, f. 9 18 6				
1772 Polberro, t, 8t. Agnes	— 1 12 6 0 5 0 Mar. 1872 0 5 0 0 2 0 Jan. 1874 8 7 8 104 12 6 0 10 0 Sept. 1872 17 1614 1644 3 5 0 0 8 8 Proc. 1872	800 East Black Craig, *L. Scotland 25 0 0 — 3000 East Boscaswell , t, St. Just 5 0 0 — 4000 East Chiverton, t, Perranzabuloe 5 13 0 136 1 14	512 Wheal Buller, c, Redruth!				
10000 Shelton, cl, t, St. Austell	0 104 12 6 0 10 0 Sept. 1872 17 16½ 16½ 3 5 0 0 8 6 Dec. 1873 0 1 1 0 1 0 Feb. 1872 0 1 1 0 1 1 Sept. 1872 0 75 80 712 0 0 1 0 0 1 0 1 1874 3 234 3 0 10 0 0 0 6 5 3 11. 1874	15000 East Dolcoath, f, Illogan	120 Wheal Grambler, c, t, Refurth 0 7 0 51/20 Wheal Grambler, c, t, Refurth 0 7 0 51/20 Wheal Grenville, c, Camborne* 8 4 6 6½ 5½ 8½ 2048 Wheal Jane, t, Kea 2 13 10. 3 2 9½				
5000 South Carn Brea, c, t, Illogan 1 17 6 6000 South Darren, t, Cardigan 3 6 6 242 Spearne Moor, t, St. Just 38 17 9 8771 St. Just Amalgamated, t* 3 10 0	0 274 0 0 10 0 0 2 6July 1872 1 1 6 0 1 6Nov. 1870 17 5 0 0 10 0June 1872 0 0 0 0 0 0 4 0 Nov. 1870 17 5 0 0 10 0June 1872	6800 Denbighshire Consolidated, i* 3 0 0 280 Derwert Mines, s-l, Durham 300 0 0 80	1 1 0 224 12000 Wh. Mary Hutchings, * t, Plympton. 1 10 0 2334 334 1000 Wheal Devorne, t, Crowan				
12000 Tankerville, l, Balop* 6 0 0 25000 Terras, t, St. Austell* 1 0 0 6000 Tincroft, c, t, Pool, Illogan† 9 0 0	9½ 8½ 9½ 3 8 0 0 6 0Feb. 1873 30 85 37½ 46 18 6 0 15 0Feb. 1874	1000 East Seton, c, Lamotree 2.0	6000 Wheal Prussia, t, Redruth 2 0 0 2 1/4 21/4 10000 Wheal Ruby, t, Ludgvan 1 0 0 4588 Wheal Sparnon, t, Redruth 4 0 0				
4000 Trumpet Consols, t, Heiston		12800 Excelsior, t, c, Stoke Climsland	4096 Wheal Vincent, t, Alternun 1 9 6 23/4 3 8000 White Works, t, Dartmoor* 5 0.0				
512 Wheal Basset, c, Illogant	25 20 22 638 10 0 1 10 0Aug. 1872 9½ 9 9½ 11 1 1 6 0 6 0Nov. 1873 2 1 2 82 2 3 0 10 0May 1872	1000 Forfida, 8-t, Christonshire 1 0 0 1 3/1 1 1 1 1 1 1 1 1 1	2000 Wheal Argus, t, c, Calstock* 1 0 0. 1½ 1 1½ 25000 Wheal Arthur, t, c, Calstock* 1 0 0. 741 Wheal Basset and Grylls, t. 9 18 6. - 512 Wheal Buller, c, Redrutht]				
1024 Wheal Mary Ann, l, Menhenoiti 10 0 0 80 Wheal Owles, l, St. Just 70 0 0 12000 Wheal Russell, c, Tavistock 1 0 0	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	12000 Furze Hill, f. Tavis. 1 0 0 3955 Gawton, c, Tavistock 3 13 0 34 ½ ½ 5000 Gen, f, Whitchurch 2 10 0	IRON AND COAL COMPANIES, Shares, Company, Paid, Price, £100 John Abbot and Co. [L.]				
1356 Wheai Seton, t, c, Camborne	20 17½ 20 256 5 0 0 10 0 Oct. 1873 0 1 0 0 1 0 Jan, 1873 0 1 6 0 0 6 May 1873 3½ 2¼ 3 52 9 0 0 2 6 May 1879	3955 Gawton, c, Tavistock 3 13 0 34 34 55 5000 Gem, t, Whitchurch 2 10 0 12500 Gilfach, s-l, Llangadock 2 0 0 0 1950 Gilfach, s-l, Flintshire 2 0 0 0 11/5 1 1/5 11/5 10000 Glandir, c* 1 0 0 0 128 Gluvian Moor, s-l, St. Columb 3 0 0 0 12000 Goginan, and Level Newydd, Card., l 1 0 0 0 12000 Gorsedd and Celyn Level, l, Flint 2 0 0 0 12000 Gorsedd and Celyn Level, l, Flint 2 0 0 0 12000 Gorsedd and Celyn Level, l, Flint 2 0 0 0 12000 Gorsedd and Celyn Level, l, Flint 2 0 0 0 120000 Great East Foxdale, l, Iste of Man 1 0 0 0 120000 Great Haryest, l, c, St. Iwe 5 12 6 35 35 37.	IRON AND COAL COMPANIES, Price, Company, 2100 John Abbot and Co. [L.] 275 0 0 1 dls. par. 15 Abbion Steel and Wire Co. [L.] 7 10 0 6 54 dls. 100 Ashbury Co. [L.] 90 00 25 22% dls. 10 Bagnali, John, and Sons [L.] 10 0 0 34 dls. 4 pm. 5 Bath Colliery Co. [L.] 4 0 0 par 4 pm. 5 Ditto B shares [L.] 2 10 0 par 4 pm. 10 Benhar Coal Co. [L.] 10 0 0 84 pm. 5 Bilbao Iron Ore Co. [L.] 30 0 0 63 pm. 3 pm. 5 Bilbao Iron Ore Co. [L.] 37 10 0 84 pm. 5 Bilbao Iron				
FOREIGN DIV	DEND MINES.	12000 Goginan, and Level Newydd, Card., l 1 0 0 — 5000 Gorsedd and Celyn Level, l, Flint 2 0 0 — 4006 Gract Caradon, c, St. Ive 5 12 6 35 ½ 35	5 Ditto B shares [L.] 4 0 0. par 34 pm. 5 Ditto B shares [L.] 2 10 0. par 34 pm. 10 Benhar Coal Co. [L.] 10 0 0. 834 9 pm. 50 Bilboa Iron Ore Co. [L.] 30 0 0. 834 7 pm.				
	2½ 1½. 2½ 1 1 9 0 2 6Mar. 1873 1 5% 7% 0 4 3 0 1 0May 1873 1½ 1½ 1½ 0 11 6 0 2 0July 1873 0 10 0 0 10 0 Nov. 1872	20000 Great East Foxdale, /, Isle of Man 1 0 0 — 30000 Great Harvest, f. c, St. Austell* 1 0 0 — 10000 Great Mountain, s-l, Carnarvon* 0 17 6 — 2000 Great Retallack, s-l, b. Perrangabulos	50 Blaenavon Iron and Steel Co. [L.] 37 10 0 50 Blochairn Iron Co. [L.] 15 0 0 par. 1 pm. 100 Bolckow, Yaughan, and Co. [L.] 35 0 0 29 30 pm. So				
15000 Birdseye Creek, 9, California*	7½ 7½ 8½ 0 17 4 0 8 0July 1873	2000 Great Retallack, s.l, b, Perranzabulos 3 8 0 — 25000 Great Snacfell, l, Isle of Man 0 12 6 — 4400 Gt. West Chiverton, s.l (8000 shares), 2 10 0 — 4096 Great Wh. Lovell, t, Wendron 2 15 0 —	100 Bolckow, Vaughan, and Co. [L.]. A 35 0 0 29 30 pm. 30 Ditto ditto B 30 0 0 26 27 pm. 30 Bowling Iron Co. [L.] 50 0 0 30 0 pm. 31 pm. 35 Bowling Iron Co. [L.] 50 0 0 31 pm. 35 Brynkinalt Collieries [L.] 50 0 0 32 1½ pm. 35 Brynkinalt Collieries [L.] 25 0 0 35 Brown, Bailey, and Dixon [L.] 35 0 0 15 14½ dis. 36 Brown, John and Co. [L.] 35 0 0 15 14½ dis.				
20000 Cape Copper Mining, † 180. Africa., 7 0 0 40000 Cedar Creek, g, California*	2914 2814 2914 14 15 0 1 0 0 Dec. 1873 214 2 214 0 5 0 0 2 6 June 1873 0 6 0 0 1 0 July 1869 0 16 0 0 4 0 Sept. 1873	15000 Grogwinion, l, Cardigan*	50 Brown, Bailey, and Dixon [L.] 35 0 0 15 14½ dis. 100 Brown, John, and Co. [L.] 70 0 0 0 3½ 4½ pm. 100 Cammell and Co. [L.] 80 0 0 10 9 dis. 20 Cannock and Hunthordon Coal [L.] 9 0 0 10 9 dis.				
1500 Chicago, s, Utah* 7 0 0 21000 Colorado Terrible, s-l, Colorado*† 5 0 0 76162 Don Pedro North del Rey*† 0 16 0 23500 Eberhardt and Aurora, s, Nevada*† 10 0	4 3¼ 3¾ 0 8 0 0 2 0 Oct. 1871 56 ¾ 58 2 5 9 0 2 0 Mar. 1872 4 3⅓ 4⅓ 1 0 0 1 0 0July 1871	12000 Islay, /, Scotland* (£1 shares) 0 15 0 13611/4 13/4	50 Brown, Bailey, and Dixon [L.]				
2352 Eldorado, g, Nova Scotia* 10 0 0 60000 Emma, *g, s, Utah (25,000 fully pd.) 20 0 0 70000 English and Australian, ct S. Aust. 2 10 0 15000 Ferguson, g, California* 2 0	9 2 5 0 0 15 0 June 1873 4 3 3½ 3 12 0 0 6 0 Dec. 1872 1½ 1½ 1½ 1½ 2 7 3 0 2 6 Mar. 1873 0 3 0 0 3 0 April 1872	5000 Killifreth, t, Chacewater. 1 2 0 5% ½ 5% 6000 Killifreth, t, Chacewater. 1 2 0 5% ½ 5% 6000 Lady Ashburton, c, s-t, t, Callington 0 2 0 21000 Ladywell, * l, 8 alop 2 10 0 3 2 2½ 22000 Levant, c, t, 8t. Just 7 5 0 10000 Llanarmon, Denbigh 2 0 0 2 1½ 2 20000 Llanidlees Wh. Van, * l, Montgomery 1 0 0 20000 Levant 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	50 Chariton Iron Co. [L.]				
15000 Ferguson, g, California* 2 0 0	0 5% 0 3 19 4 0 5 0 Dec. 1873	Journal Linnewst, t, Carnaryon	10 Consett Fron Co. [L.] 7 10 0. 20 22 5 pm, 1 Consett Spanish Ore [L.] 1 0 0. 3 22 5 pm, 5 Cooke, William, and Co. [L.] 1 0 0 . 3 2 dis.				
20000 Last Chance, s,* Utah	1½ 1 1½ 0 14 0 0 2 0July 1873 4½ 3½ 4½ 14 3 4 0 2 6Dec, 1873 1½ 1½ 1¾ 1 11 6 0 1 6Mar. 1873	9000 Marke Valley, c, Caradon*	10 Davis's Merthyr Colliery Co. [L.] 10 0 0 2 2½ pm. 15 Davy Brothers [L.] 10 0 0 13½ 14 pm. 25 Ebbw Vale Co. [L.] 29 0 0 6 5½ dis.				
15000 Mammoth Copperopolis of Utah, c, s 10 0 0 5000 Mountain Chief, s, Utah*	5 4½ 5 0 5 0 0 5 0 Dec, 1872 0 4 0 0 4 0 Jan, 1873 6 0 0 3 0 0 July 1873 21 19 21 14 16 11, 1 3 0 Dec, 1873	25000 Mount Dalby, s./, Isle of Man*	1 Clee Hill Colliery Co. [L.]				
20000 Last Chance, s,* Utah	91/ 9 91/ 1 8 0 0 9 0 Dec 1979	8000 Now Delegath t c Camborne* 3 0 0 11 1 11/	10 Ifton Rhyn Colliery Co. [L.] 2 10 0 1½ ¾ dis. 10 Ince Rolling Mills [L.] 8 0 0 8 8½ pm.				
12000 164 1600	½ ¼ ¾ 0 14 2 0 2 0Nov. 1873 5½ 4¼ 5 2 8 0 0 5 0Dec. 1873 0 5 0 0 2 6Nov. 1872	8000 New Dolcoath, t, c, Camborne* 3 0 0 1½ 1 1½ 4098 New East Lovel, t, Wendron 0 10 0 — 2000 New Hendra, t, Breage 1 8 6 2 1½ 2 6400 New Pembroke, t, e, Par Station 5 2 0 1½ 1½ 1½ 5000 New Rosewarne, c, Gwinear 3 17 0 35 ½ 5	50 Knowles, Andrew, and Sons [L.] 12 0 0 2½ 5 pm. 10 Llay Hall Coal, Iron, & Friedrick [L.] 1 0 0 0 5 Littledean Woodside Coll. Co. [L.] 5 0 0 5 Littledean Woodside Coll. Co. [L.] 42 0 0 2 1 dis 10 Lydney and Wigpool Iron Ore [L.] 6 0 0 2½ 1½ dis.				
NON-DIVIDEND 1		3000 New Rosewarne, c. Gwinear 31 1 0 73 78 78 3000 New Silver Rake, s.f., Flinitalities 5 0 0 1200 New West Rosewarne, f. Gwinear 5 10 0 1½ 1 1½ 5000 New Wheal Charlotte, f., & winear 5 2 0 0	10 Merry and Cuninghame [L.] 3 10 0 34 512 dis.				
Shares. Mines.	Paid, Last Pr. Clos. Pr. Last Call.	4000 New Wh. Grylls, t, Perranuthnoe 0 16 6 5 13193 New Wheal Lovell, t, Wendron 5 13 6 5 5 15 5 1200 New Wh. Seton, c, Camborne 36 16 8 1 1 1 11	o Moid Argoed Collery Co. [L.] 6 0 0 1/2 1 pm.				
20000 Anglo-Australian, g, Victoria* 20000 Anstralian United, g, Victoria* 3000 Bellavista, s, Peru* (£10 shares) 3000 Blue Tent, Ayd., California	2 10 0 36 1/4 3/4 Fully pd June 1873 5 0 0 — Fully pd Fully pd.	2000 North Wheal Crofty, c, Illogan 4 1 9 19	10 Monkland Iron and Coal Co. [L.] . 10 0 0 1½ 1 dis. 10 Midland Iron Co. [L.] . 5 0 0 7 7½ pm. 4 Mwyndy Iron Ore [L.] . 3 10 0 2½ 1½ dis. 100 Nant-y-Glo and Blaina (8 p. c. pref.) 100 0 0 58 63 10 Native Iron Ore [L.] . 10 0 0 5 3 dis. 10 Neepsend Rolling Mills [L.] . 3 0 0 1 1½ pm. 1 Neepsend Rolling Mills [L.] . 3 0 0 1 1½ pm.				
3000 Bellavista, s, Peru* (£10 stares) 3000 Blue Tent, Ayd., California 5000 Braganza, g, Brazil*; 1200 Camp Floyd, s, Utah* 35000 Cesena Bulphur Company, Romanga, Italy* 50152 Chontales, g, s, Nicaragua*† (and 12,542 of £1 1 500 Citigon s, Colorado*	0 15 0 — Oct. 1870 10 0 0 — Fully pd. 10 0 0 — Fully pd. 55s.) 2 0 0 1 54 75 Fully pd.	10000 North Pool, c, Illogan*(Reserve 2500) 2 0 0 1000 North Rosewarne, c, Gwinear 6 12 6 2 0 10 2 11/2 695 North Roskear, c, Camborne 72 19 0 12000 North Tankerville, l, Salop* 1 0 0 1 0 0 1 1/2 1 1 1/2 1 1/2	1 Nerbudda Coal and Iron				
10000 Crescent, g. Plumas County, California*	10 0 0 Fully pd.	8000 North Treleigh Wood, t, Redruth*	20 Patent Shaft and Axletree [L.] 10 0 0 8 8½ pm.				
10000 Cuinba, g. Minas Geraes, Brazil* 10000 Douglas, s. Georgetown, Col. 7500 East Sheboygan Preference* (40,000 ordinary si 35000 Excelsior Hydraulic Gold Washing Co., Califor 60000 Exchequer, g. s. California* 50000 Frontino and Bolivia, g., New Granada* 10000 Geetzel Tunnel Co., Georgetown, Col. 40000 Hydromby Valley, g. * California*	mares) 2 0 0 —	9000 Old Treburgett,* s-l (10 per et. pref.), 0 10 0 1 115000 Oola Hills,* l, c, Limerick 1 0 0 124000 Parys Matain.* c, d. 5000. 15p.ct. pref.) 3 0 0 1250 Pendarves United, t, c, Camborne 105 5 0	50 Rhymney Iron Co. [L.] 50 0 0 43 45				
5000 Frontino and Bolivia, g, New Granada*) 50000 General Brazilian, g* 10000 Goetzel Tunnel Co., Georgetown, Col	2 0 0	250 Pendarves United, 7, c, Camborne	100 Sandwell Park Colliery Co. [L.] 80 0 0 [25 150 pm. 50 Shotts Iron Co. [L.] 50 0 0 0 425 45 pm. 100 Sheepbridge Iron and Coal [L.] 55 0 0 0 41 43 pm. 10 Sheeffield Force and Rolling Will [L.] 2 10 0 14 43 pm. 10 Sheeffield Force and Rolling Will [L.] 2 10 0 14 17 pm. 10 Sheeffield Force and Rolling Will [L.] 2 10 0 1				
10000 Goetzel Tunnel Co., Georgetown, Col. 40000 Holcombe Valley, g., *California. 4000 Hornachos, *s.d. (£10 shures). 10000 Hudson, g. California* 20000 Imperial Brazilian Collieries, Brazil* 20000 I. X. L., g., s. California* 80000 Javali, g., Nicaragua* 11000 Kansas, g. Colorado* 12000 Lancestosa, d., z., yiscaya, Spain (£2 shares). 165001 London and California, g*† 75000 Malabar, g., Colombia* (65000 issued). 4000 Malaga, l., Spain* 1000 Good Malpaso, g., Colombia* 12000 Menzenberg, c., Honnef, Germany* 14000 Montague & Waverley Gold Quartz Crushing Co. 6000 Monta Loreto, g., c., fally*	7 0 0 Jan. 1874 5 0 0 April 1873 5 0 0 Fully pd.	2500 Pennary Cinted, 7, 2, Camborne 100 0 - 1/31 Penhary Cinted, 7, 2, Camborne 103 15 0 2½ 1½ 2 12000 Pennerley, 1, Shropshire* 2 0 0 2½ 1½ 2 12000 Pennyn, 1, Carnaryonshire* 2 0 0 12000 Pen-yr-Henblas, 1, North Wales* 1 0 0 12000 Pen-yr-Henblas, 1, North Wales* 1 0 0 54 35 55 12000 Pernar Consols, * 1, Perran 1 0 0 1½ 1 1½ 1 1½ 1 1½ 1 1½ 1 1½ 1	100 Sandwell Park Colliery Co. [L.]				
80000 Javali, g, Nicaragua* 11000 Kansas, g, Colorado* 12000 Lanestosa, ² l, z, Viscaya, Spain (£2 shares)	5 0 0 — Fully pd 5 0 0 — 15 14 34 Fully pd 5 0 0 — Fully pd Fully pd Fully pd Fully pd Aug. 1873	12000 Plynlimmon, l, Llanidloes*	100 Staveley Iron and Coal Co. [L.] 60 0 0 par 2 pm. 100 Ditto ditto New 60 0 0 63½ 65 pm. xd 10 Stranton Iron and Steel Co. [L.] 7 0 0 11½ 11½ pm xd				
165000 London and California, g*† 75000 Malabar, g, Colombia* (65000 issued) 4000 Malaga, t, Spain* 20000 Malaga, g, Colombia*		1000 Polhigey Moor, t, Wendron 3 10 0— 2000 Prideaux Wood, t, Llanivery 5 0 0— 2000 Prideaux Wood, t, Llanivery 5 0 0— 2000 Rhydtalog, s-l, Cardiganshire 1 0 0— 2000 Rhydtalog, s-l, Cardiganshire 1 0 0— 2000 Rhydtalog, s-l, Cardiganshire 1 0 0— 2000 Rhydtalog, s-l, Lardiganshire 1 0 0— 2000 Rhydtalog, s-l, Cardiganshire 1 0 0—	20 South Cleveland Ironworks [L.]				
12000 Menzenberg, c, Honnef, Germany* 14000 Montague & Waverley Gold Quartz Crushing Co 6000 Monte Loreto, g, c, Italy*	5 5 0	12800 Prince of wates, c. Carstock; 1	20 South Cleveland Ironworks [L.] 20 0 0 9 7 dis 100 Thames Iron Company 100 0 9 11 pm 7½ Titanic Iron and Steel 5 0 0 20 Ulverston Mining Co. [L.] 10 0 0 ½ dis. ½ pm. 1 United Bituminous Collieries [L.] 1 0 0 10 Vancouver Coal [L.] 6 0 0 2½ 22½ pm. 100 Vickers, Sons, and Co. [L.] 100 0 0 35 45 pm. 10 Wedsh Ironworks Co. [L.] 50 0 0 44 34 dis. 25 W. Cumberland I. and Steel [L.] 20 0 0 44 34 dis.				
15000 New Pacific, q, s, Nevada* 8500 New Quebrada, c, Venezuela* 50000 New Rosario, s, Mexico* 20000 New Zealand hanarga, q, Coromandel*	7 0 0 5 Fully pd 5 0 0 4½ 4½ 4½ Fully pd 1 0 0 1½ ½ 1 Fully pd 5 0 0 Fully pd Fully pd Fully pd Fully pd.	519 South Dolooth e t Redwith 9 15 0 24 2 24	10 Wedgwood Coal and Iron [L.]				
14000 Montague & Waverley Gold Quartz Crushing Co 6000 Monta Loreto, g. c, Italy* 15000 New Pacific, g. s, Nevada* 68500 New Rosario, s, Mexico* 20000 New Rosario, s, Mexico* 20000 New Rosario, s, Mexico* 20000 New Galand hapanga, g, Coromandel* 10000 Newfoundland, ' 20000 North American, o* 60000 Pentarena United, g, Italy* 60000 Pestarena Uni	10 0 0 Fully pd. 4 0 0 Fully pd. 4 0 0 21½ 2 2½ Fully pd. 3 0 0 3½ 15 3½ Fully pd.	0000 South Fowey, ', ', ', Tywardreath 2 6 6	25 W. Culmoeriand I. and Steel [L.] 20 0 0 4½ 3½ dis. 5 West Swansea Collery Co. [L.] 3 0 0 10 Whitehaven Iron Co. [L.] 10 0 0 100 Wigan and Whiston Coal Co. [L.] 70 0 0 20 25 pm. 100 Wigan Coal and Iron Co. [L.] 75 0 0 25				
\$0000 Rica, g, Colombia* (40000 issued)	3 0 0 34 34 35 4 Fully pd. 1 0 0 34 35 34 Fully pd. 5 10 0 6 5 14 5 Jan. 1874 0 19 0 54 34 55 July 1872	2500 South Mendyn, l, Flint* 2 0 0 12000 South Phonix, l, c, Linkinhorne 0 16 0 2 1½ 2 19000 South Physlimmon J. Linkildees* 1 7 6	MISCELLANEOUS. 10 Anglo-Mexican Mint				
32500 Ruby Consolidated, s, Nevada* \$0000 Russia, c, Orenburg and Uta*† 25000 San Pedro, c, Chili* 20000 Santa Burbura * c, Beagil	10 0 0 Fully pd. 10 0 0 315 214 314 Fully pd. 2 0 0 214 114 2 Fully pd. 0 7 6 24 34 14 Mar. 1872	1000 South Roman Gravels, l, Salop*	5 Patent Gunpowder 210 0 21 3 dis. 10 Silber Light (ord, sh.) 10 0 0				
15000 Baturn, s, Utah* 10000 Bilver Plune, s, Colorado* 87500 Bnowdrift, s, Colorado*	5 0 0 Fully pd Fully pd Fully pd Fully pd.	3000 South Ward, I, Beerferris 3 0 0 1 34 1 937 South Wheal Crofty, c, Illogan 35 0 10, 31 25 30 496 South Wh. Frances, c, Illogant 38 3 9 15 10 12	b, blende: cl, coal; c, copper; g, gold; l, lead; s, silver; sl, slate; sl, silver-lead; t, tin; z, zinc. Limited Liability Companies: t quoted on the Stock Exchange. I have paid dividends.				
20000 North Allertean, 2, Italy* 80000 Pestarena United, 9, Italy* 80000 Pestarena United, 9, Italy* 80000 Rio, 9, Colombia* (40000 issued) 200000 Rio Tinto,* c, Huelva, 8pain 100000 Rossa Grande, 9, Brazil* † (£1 shares) 22500 Ruby Consolidated, 5, Nevada* 26000 San Pedro, c, Chili* 26000 San Barbara,* 9, Brazil 15000 Santa Barbara,* 9, Brazil 15000 Saturn, s, Utah* 10000 Silver Plume, s, Colorado* 27500 Rowdrift, s, Colorado* 27500 Rowdrift, s, Colorado* 27500 Rowdrift, s, Colorado* 27500 Rowdrift, s, Colorado* 27600 Tecoma, *, Utah* 27600 Yorke Peninsula, c, Scuth Australia* 8000 Yndananutana, c, South Australia*	100 0 0 195 190 195 Oct. 1872 2 0 0 Fully pd. 10 0 0 1 5½ 7½ Fully pd. 1 0 0 2 1½ 2 Fully pd.	18000 South Roman Gravels, I, Salop* 1 10 0 1 76 1 6000 South Roskear, I, Camborne 6 0 0 - 6000 South Roskear, I, Camborne 6 0 0 - 76 56 72 12000 South Tolcarne, I, C, Camborne 0 12 6 76 56 72 12000 South Vand, I, Montgomeryshire 1 0 0 - 78 56 72 12000 South Ward, I, Beerferris 3 0 0 1 34 1 937 South Wheal Crofty, C, Illogan 35 0 10 31 25 30 496 South Wheal Crofty, C, Illogan 35 0 10 31 25 30 496 South Wh. Frances, C, Illogan 38 3 9 15 10 12 6000 South Wheal Kitty, I, St. Agnes 0 5 0 - 6000 South Wheal Kitty, I, St. Agnes 0 5 0 - 6000 St. Agnes Consols, I* 34 10 0 434 444 444 14000 St. Agnes Consols, I* 35 Cornwall 1 0 0 - 20000 St. Dennis Consols, I, St. Dennis 1 0 0 - 20000 St. Dennis Consols, I, St. Ives 1 10 0 - 7 6 7 6000 St. Lawrence, Amal. I, Flintshire* 2 0 0 244 244 244 16000 Success, &c., I, Derb. (12,0001, called) 1 6 0 - 244 244 244					
43174 United Mexican, s, Mexico*†]	28 7 8 2½ 1½ 2¼ May 1888 4 10 0 2 1 1½ Oct. 1878 1 0 0 36 ¼ Fully pd.	20000 St. Dennis Consols, f, 8t. Dennis	London: Printed by RICHARD MIDDLETON, and published by HENRY ENGLISH (the proprietors), at their office, 26, FLEET STREET, E.C., where all communications are requested to be addressed.—February 14, 1876.				
sour Australia "fl	Fally pd.	success, many system (asymptotic Camed): 1 0 0	and the second s				